

# Product Catalog





**Do you need loudspeakers in an individual corporate design or as a design element?  
We realize your ideas and wishes?**

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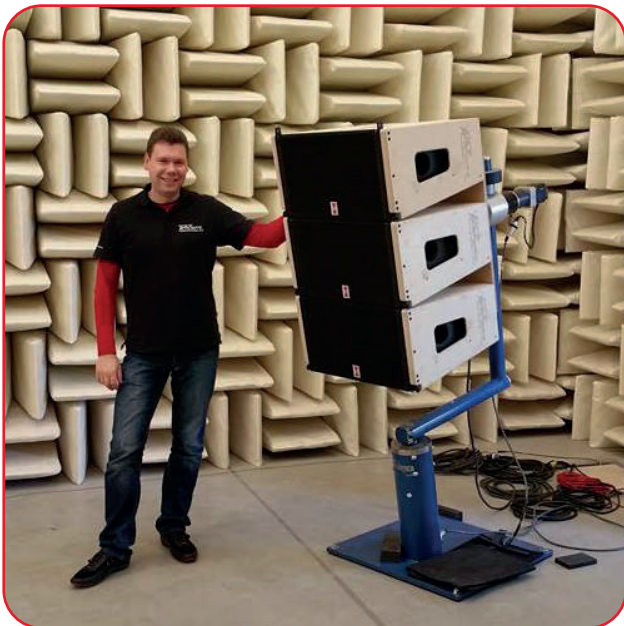
# Company

**Only what touches us emotionally,  
leaves a unforgettable memory!**

Loudspeakers are used to transport a feeling: The spoken word with a message, music in all its facets, an artist who wants to entertain, an orator who wants to be heard. To deliver these feelings without any loss of impact, the people at Voice-Acoustic develop and build professional speaker systems of excellent quality and everything is made in Germany.

We have achieved the goal of offering speakers which achieve the highest sound quality requirements to cover a wide range of user event situations. High quality products guarantee longevity and incur little depreciation. It follows that our speakers are a secure investment for the future.

Voice Acoustic PA systems speakers transmit and reproduce the natural sound completely unchanged. All our products are compatible with each other and can be combined for economical operation.



Close contact with the end-user, plus expert service is our first priority.

We suggest detailed discussion and counselling before a purchase, and, after the sale we regard service, support and constant contact an important aspect. We do not differentiate between small and large customers. We want every customer, regardless of size, to be satisfied, and as such, everyone enjoys the same Voice Acoustic service.

In the future we will expand our range with proven products which can be integrated seamlessly into our systems. Diligent communication and an open ear for the aspirations and thoughts of our partners gives us valuable input into what sound solutions are needed.

Our long-term practical experience is incorporated into every product and results in detailed solutions improving handling, and more so, the sound quality in our current and future systems. Passion, Motivation, Perfection and your Success is our motto.



**success through quality**

# System

## **Generate consistent good sound anywhere!**

Good speakers alone do not make a good sound. You will only generate and experience the best sound if the signal chain is well matched and the associated electronics are adjusted properly.

Is it possible to create an excellent sound with different kinds of amplifiers and controllers? Frankly, No!

That's why Voice Acoustic doesn't only build loudspeakers but offers effective acoustic tools as part of a system to ensure that the best possible consistent result is achieved anywhere in the world.

**We build total systems with loudspeaker, amplifier and their associated electronics, including integrated DSP controllers, with remote control and monitoring function.**

We build our own electronics for our speakers, does this mean that we have advantages over all the others? Certainly!

**Our speakers have active separate bi-amping systems with separate amplifier and control channels for each speaker. We have also done away with the 2 Ohm option of amplifier channels.**

Passive crossovers only serve the individual drivers in a multi-system speaker box to generate their particular frequency. You can also adjust and correct the frequency range and level.

**Passive crossovers, however, are always subject to certain loss and this means a compromise:**

The distortion level increases, the components themselves absorb power and heat up, certain filter functions become limited, load-time differences can only be minimally adjusted, more weight and susceptibility of many components in the loudspeakers, prone to more faults due to more parts in a speaker, adjustment only for a driver/horn combination possible, no optimisation for filter functions etc ...

These disadvantages are often tolerated because you only need one amplifier channel for the running of a multi/system speakerbox.

Some manufacturers go the way of reducing the passive crossover component parts to a minimum. This only has the function of separating the frequencies. Corrections have to be done by external digital controllers. In this scenario, you don't achieve the maximum possible performance, and you will also still experience all or many of the above disadvantages.

Where first class results are a priority and costs are not necessarily a factor, such as PA systems for concerts with audiences of thousands and several monitors, multi-channel speaker systems with bi-amping amplifiers are utilised. Big names in the entertainment industry insist on bi-amping loudspeaker systems.

Voice-Acoustic makes it possible to actively deploy separate bi- and tri-amping speaker systems not only for big events but for small to medium events. These installations are economical to use and have all the advantage of an actively separated system.

With the modularly assembled HDSP amplifier and self-powered speakers which have the identical DSP amplifier module, you can run them together in a single network.



# Icons



Coverage range (horizontal x vertical)



Horn made of metal



Horizontally arrayable



Left and right versions of the cabinet available



Swivel bracket for loudspeaker available



Lightweight neodymium magnets used



Chassis/Housing made of aluminium



Tiltable stative adapter, total angle +/- 18°



Adjustable loudspeakers by spindle mechanics



Mounting point for safety cable



Presets for cardioid bass arrays available



Cabinet with monitor angle



Weatherproof loudspeaker cabinet



Weatherproof electronics



Wall holder available for loudspeaker system



Bi-Amp via HDSP amplifier



High quality 64bit / 96kHz sampling rate for audiophile sound quality



Class D amplifiers



Intelligent wide range switching power supply automatically detecting AC input values



Manual access to presets



Audio via IP and Audio via Ethernet



Each active electronics has its own IP address for implementation into Network



Coverage range (vertical x horizontal)



Rotatable horn to change coverage angle of a loudspeaker system



Vertically arrayable



Stackable loudspeaker systems



Stackable loudspeaker systems



Ferrite magnets used



The product is lightweight



Round handles at loudspeaker cabinets for easy handling



VOICE ACOUSTIC Easy Fly mechanics



Extra occurs proof front grille



End fire presets available for bass arrays



Line array working method



Weatherproof loudspeaker membran



Four Speakon sockets inside loudspeaker cabinet



Extra solid/hard syberian multiplex plywood used for cabinet



Three options for amplification available



High resolution audio



DSP-processing inside



Low noise cooling fans



Controlable by PC

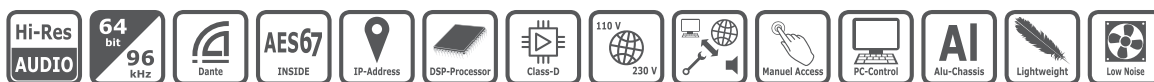


Dante (Digital Audio Network Through Ethernet)



Remote monitoring of system possible via access to IP addresses via network

# HDSP-DDA Amplifier



The HDSP-DDA amplifier series has been developed with the most demanding requirements in audio quality and reliability in mind. With the high number of output channels, for the first time, it has become possible to separately filter bi and tri amping with the HDSP series cost effectively. The intelligent wide-range switching power supply automatically detects the AC input values making it possible to use anywhere in the world.

DDA stands for a new generation of DSP and input boards that can process a variety of signals: DANTE, Digital AES/EBU, AES67 and analog inputs. The signals can be looped further.

The integrated loudspeaker management systems (DSP – digital signaling processor) work with a 64 bit/96 kHz sampling rate in audiophile sound quality. Premium converters offer a 120 db dynamic range and can process an input level of up to + 23 dBu. This amplifier series is specked out with the factory settings for the speakers, limiter and time alignment for the output channels. Additionally each input channel boasts 10 parametric filters (Bell, High Shelf, Low Shelf, Notch, Allpass), compressors, flexible routing, phase settings, a lengthy delay section for delays up to 275 meters, and an input limiter. The series is also equipped with enough memory to add your own presets for the use of loudspeakers from other manufacturers. The amplifiers are likewise available without Voice-Acoustic factory presets

The LCD display on the front side enables all functions to be

manually accessed from a digital rotary encoder and buttons. Our Voice-Acoustic's VA-WLAN remote software for PC, Mac or App offers even more convenient access to these controls. This software makes it possible to link, remotely operate and monitor up to 128 individual HDSP-DDA amplifier units or self-powered loudspeakers in one common network. Linking is accomplished fully automatically via IP-address. The connection operates bi-directionally in real-time and provides a diverse scope of system feedback (headroom, temperature, and impedance measurement).

One major advantage of Voice-Acoustic power amplifiers is their modular capability. Multiples of highly effective state-of-the-art Class-D modules are fitted with separate power supplies and separate DSP boards to endure redundancy and guarantee supreme operational safety. This easy-to-service modular style allows for simple and fast exchange of components by any electrical assistant in a short time. Compared to conventional multi-channel power amplifiers, which have to be powered with one power supply, the HDSP-DDA amplifier's modular capabilities guarantee maximum performance and lots of headroom – even in a deep base range without simultaneously influencing other channels.

The electronics have been mounted upside-down in the super sturdy 19" aluminum housing. Any dust particles will float to the floor of the box and not lay down on the platinum. All 2HE power amplifiers have identical housing and back cover plates.

## HDSP-6DDA



<b>Quantity channel</b>	6 channelled
<b>Power output 4 Ω</b>	8.000 W (2 x 2.400 W + 4 x 800 W)
<b>Power output 8 Ω</b>	4.960 W (2 x 1.580 W + 4 x 450 W)
<b>Power output 16 Ω</b>	2.400 W (2 x 800 W + 4 x 200 W)
<b>Dual technology</b>	2 x Power supply, DSP-Board and Class-D Modul
<b>Preset locations</b>	2 x 120 Presets, 2 can be assigned simultaneously
<b>Connections</b>	4 x Neutrik NL4 Speakon OUT, 4-pole assigned 2 x Dante (Digital Audio Network Through Ethernet) 2 x Digital AES/EBU, AES67 4 x XLR female/male 1 x 16 A powerCON TRUE1 IN
<b>Dimensions/Weight</b>	19" x 2HE x 450 mm / 9,4 kg

## HDSP-4DDA



<b>Quantity channel</b>	4 channelled
<b>Power output 4 Ω</b>	6.400 W (2 x 2.400 W + 2 x 800 W)
<b>Power output 8 Ω</b>	4.060 W (2 x 1.580 W + 2 x 450 W)
<b>Power output 16 Ω</b>	2.000 W (2 x 800 W + 2 x 200 W)
<b>Dual technology</b>	2 x Power supply, DSP-Board and Class-D Modul
<b>Preset locations</b>	2 x 120 Presets, 2 can be assigned simultaneously
<b>Connections</b>	4 x Neutrik NL4 Speakon OUT, 4-pole assigned 2 x Dante (Digital Audio Network Through Ethernet) 2 x Digital AES/EBU, AES67 4 x XLR female/male 1 x 16 A powerCON TRUE1 IN
<b>Dimensions/Weight</b>	19" x 2HE x 450 mm / 6,6 kg

## HDSP-3DDA



<b>Quantity channel</b>	3 channelled
<b>Power output 4 Ω</b>	4.000 W (1 x 2.400 W + 2 x 800 W)
<b>Power output 8 Ω</b>	2.480 W (1 x 1.580 W + 2 x 450 W)
<b>Power output 16 Ω</b>	1.200 W (1 x 800 W + 2 x 200 W)
<b>Single technology</b>	1 x Power supply, DSP-Board and Class-D Modul
<b>Preset locations</b>	120 Presets
<b>Connections</b>	2 x Neutrik NL4 Speakon OUT, 4-pole assigned 1 x Dante (Digital Audio Network Through Ethernet) 1 x Digital AES/EBU, AES67 2 x XLR female/male 1 x 16 A powerCON TRUE1 IN
<b>Dimensions/Weight</b>	19" x 2HE x 450 mm / 4,1 kg



## HDSP-0.4DDA



<b>Quantity channel</b>	4 channelled
<b>Power output 4 Ω</b>	3.200 W (4 x 800 W)
<b>Power output 8 Ω</b>	1.800 W (4 x 450 W)
<b>Power output 16 Ω</b>	800 W (4 x 200 W)
<b>Dual technology</b>	2 x Power supply, DSP-Board and Class-D Modul
<b>Preset locations</b>	2 x 120 Presets, 2 can be assigned simultaneously
<b>Connections</b>	4 x Neutrik NL4 Speakon OUT, 4-pole assigned 2 x Dante (Digital Audio Network Through Ethernet) 2 x Digital AES/EBU, AES67 4 x XLR female/male 1 x 16 A powerCON TRUE1 IN
<b>Dimensions/Weight</b>	19" x 2HE x 450 mm / 5,2 kg

## HDSP-0.2DDA



<b>Quantity channel</b>	2 channelled
<b>Power output 4 Ω</b>	1.600 W (2 x 800 W)
<b>Power output 8 Ω</b>	900 W (2 x 450 W)
<b>Power output 16 Ω</b>	400 W (2 x 200 W)
<b>Single technology</b>	1 x Power supply, DSP-Board and Class-D Modul
<b>Preset locations</b>	120 Presets
<b>Connections</b>	2 x Neutrik NL4 Speakon OUT, 4-pole assigned 1 x Dante (Digital Audio Network Through Ethernet) 1 x Digital AES/EBU, AES67 2 x XLR female/male 1 x 16 A powerCON TRUE1 IN
<b>Dimensions/Weight</b>	19" x 2HE x 450 mm / 3,1 kg

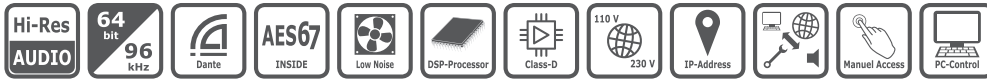
### Stack-Rack Advantages

- Fast mechanical interlocking among each other
- Can remain closed and wired through
- Cover slides in front and back
- Label holder on Front cover
- Front cover optionally made of acrylic glass
- Rack rails mounted shock- and vibration-resistant
- Rack rails adjustable in depth at the front and rear
- Adjustment of the rack rails also possible from outside
- Truck size 60 x 60 cm
- Different rack depths can be combined, flush at the front
- No protruding components, completely flat side walls
- 4 black folding handles
- rubber feet at the bottom and stacking trays at the top
- Black Polyurea coating



more at [www.bagax.de](http://www.bagax.de)

# Self-Powered DDA Loudspeakers



As with the HDSP-DDA amplifiers, DDA stands for a new DSP generation and input boards that can process a multitude of signals: DANTE, Digital AES/EBU, AES67 and analog inputs. The signals can be looped further.

Our self-powered models are all plug & play. All the required settings for different configurations are stored as factory presets in the internal memory. For best performance and reliability, simply selecting the corresponding preset on the Display for use as either, a single bass in the stack with several basses, or as cardioid and end-fire bass arrays, or as a center of a Satellite system in conjunction with different tops (passive stereo, bi-amping, mono).

The active electronics are convection cooled by a large heat-sink and are maintenance free.

No dust or moisture can be sucked or drawn in, making the Paveosub-118sp ideal for permanent installations. The robust cooling fins are amply rounded and have no sharp edges.

The control unit, DSP unit, signal connections and the Speakon OUT terminal are protected against moisture with a weather-proof, transparent cover. The cooling system is waterproof and the powerCON TRUE1 TOP connectors are equipped with a rubber sealing cap.

## Features of the integrated DSP speaker management system

- High quality DSP board with best audio characteristics
- Direct manual speaker operation via Display button and control wheel
- 4 language menu selections for Manual
- 120 presets internally stored and recalled. Unlimited on PC
- Real-time access to meter bridge on PC via VA-W LAN remote software compatible with HDSP amplifier serie
- Simple menu
- 96 kHz sampling rate
- 120 dB dynamic range
- 20 parametric EQs per way
- Flexible routing
- X-over
- Limiter
- Short delay for time alignment of the chassis
- Long delay for delay lines up to 270 m
- Phase
- Firmware upgradeable via Ethernet



Moisture protection, through transparent rubber flap



powerCON TRUE1 TOP connections



Encapsulated maintenance-free electronics,  
fan only cools the cooling fins outside

**Modell with 2-CH, 3,2 kW Ampmodul: 1 x 2.400 + 1 x 800 W / 4 Ω**



Modular-15sp DDA



VENIA-6sp DDA



VENIA-8sp DDA

**Features of the integrated Class-D amplifier units**

- Maintenance-free electronics
- Input Limiter and Peak Limiter
- Switch on power rush protection
- Protection circuit for On/Off switch transients
- Smart Fuse protection
- Under and Over voltage protection
- DC protection of outputs
- Temperature monitoring of the heatsink and transistors
- Enclosed cooling system, no air is drawn into the interior
- High damping factor > 1000 (8 Ω, 1 kHz)
- Low THD, THD + N < 0.05 % (20 - 20,000 Hz, 8 Ω)

**Modelle with 3-CH, 4 kW Ampmodul: 1 x 2.400 + 2 x 800 W / 4 Ω**



Paveosub-115sp DDA



Paveosub-218sp DDA

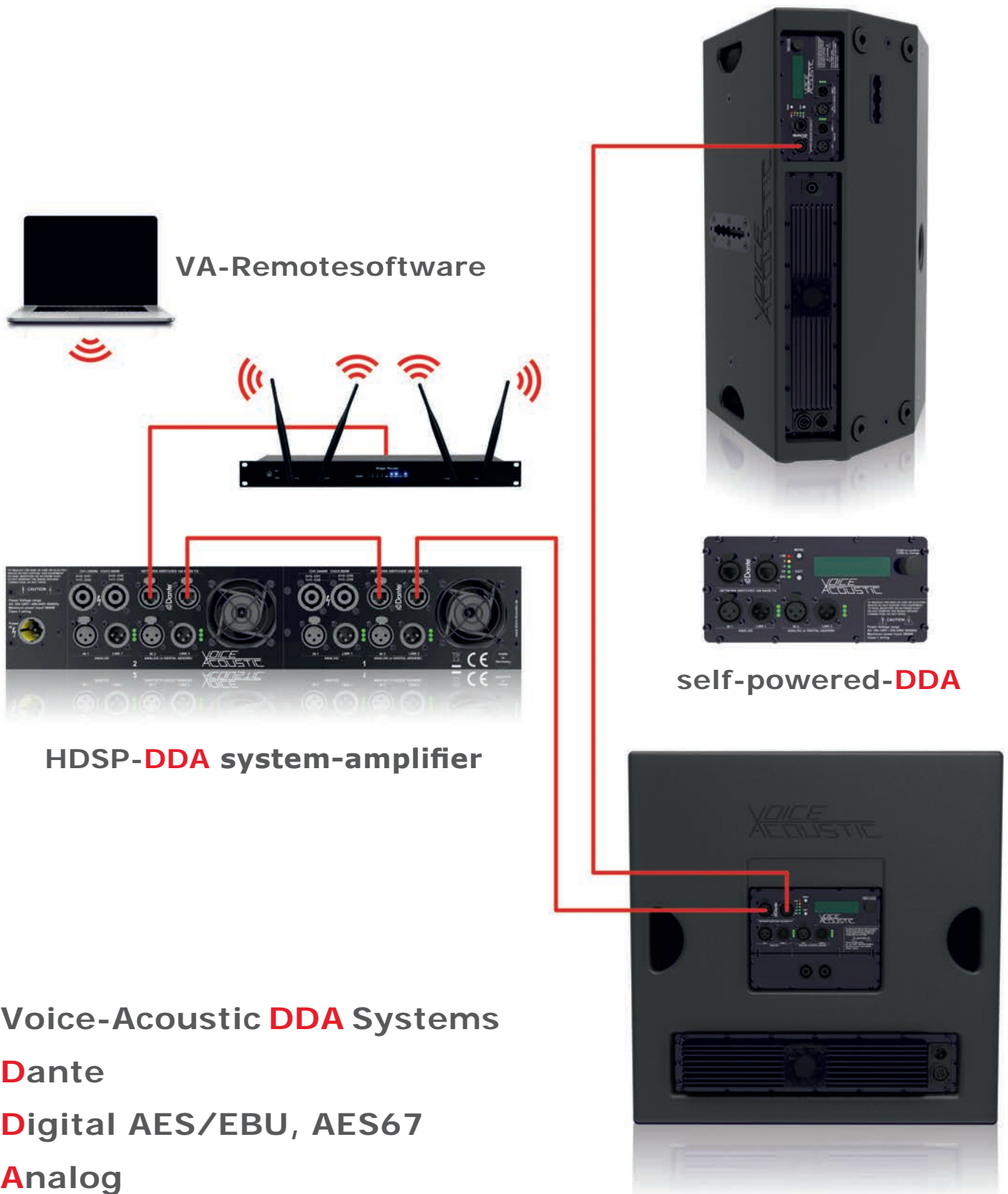


Paveosub-112sp DDA



Paveosub-118sp DDA

# Voice-Acoustic Remote Network



## Voice-Acoustic DDA Systems

Dante

Digital AES/EBU, AES67

Analog

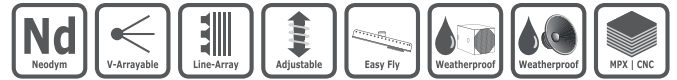
All functions can be operated and adjusted manually or conveniently via the VA-WLAN remote software for PC and Mac.

This software makes it possible to link, remotely operate and monitor up to 128 individual HDSP amplifier units or self-powered loudspeakers in one common network. Linking is accomplished fully automatically via IP-address.

The connection operates bi-directionally in real-time and provides a diverse scope of system feedback (headroom, temperature, and impedance measurement, ...)



# Ikarray-12/12sp



The Ikarray-12 is an innovative 2-way bi-amping, full range line-array. This lightweight, compact unit with many intelligent detail solutions is suited for everything from small events up to large venues with many thousand listeners.

Much emphasis has been placed on constant directivity and linear frequency response even outside the mid-axis. This has been achieved on the horizontal level with one 12-incher, single mounted to give a wide dispersion without restrictions such as those caused when two transducers are placed next to each other (d'Appolito effect).

The vertically optimal coupling of the elements with each other is achieved by a narrow construction distance and splitting the acoustic centers into several virtual sound sources: A special Double-Twin Waveformer is coupled to the 1.4" tweeter, which segments the sound into 4 subranges. The Double-Twin Waveformer makes it possible to reduce the distances of the sound sources to a minimum and to optimize the crossover frequencies and coupling.

In comparison to many other arrays of this size, the Ikarray-12 has a warm sound with powerful low-mids that allow a low x-over. As a result, the Ikarray-12 can be used for many purposes without subwoofers.

With completed dimensions of only 60.5 cm, the Ikarray-12 keeps within the advantageously trucking dimensions and is world-wide the narrowest in the 12"/1.4" class. Used in the ground-stack position on the Paveosub-218 it exhibits an elegant silhouette and giving an optical unity.

The splicing between the individual Ikarray units is achieved by an innovative infinitely adjustable spindle mechanism. This enables more precise adjustment and optimization of acoustics than has been possible up to now with traditional locking-pin rigging systems. As an additional feature the fine adjustment of the mechanism can also be done under load.

For changing an angle between the elements the complicated unloading and de-rigging of the array become unnecessary. This saves a lot of time and makes work easier. Outriggers with adjustable feet can be mounted on the Rigging frame for ground stacking without subs. To create a sleek and discreet look, the line-array locking pin connection has been sunken into the loudspeaker body without extending parts.

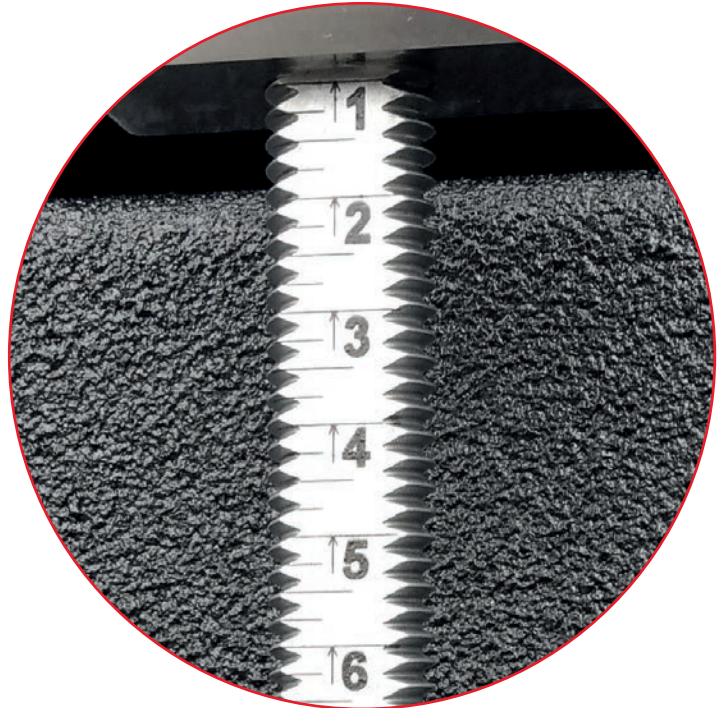
A single unit can be directly mounted on a pole or tripod without a frame and can be adjusted. For this purpose, a pan-tilt box flange has been integrated into the floor of the box. For smaller venues with only one or two flying arrays, neither the larger rigging frame nor any other specialty parts are needed. For this purpose, the Ikarray-12 is equipped with the specially designed VA-flying tracks that click into the elegant Easy-fly mechanism – also used in the modular series.



EASE Focus 3 licensed



Recessed front mechanism, no protruding parts



Scaling on the thread mechanism



Speakon connectors positioned under rear recessed grips for weather protection

<b>Frequency range</b>	49 Hz - 18.5 kHz (- 10 dB) 62 Hz - 17 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	100° x 6°
<b>Powerhandling</b>	LF: 400 W AES / 800 W program / 1.600 W peak on 16 Ω HF: 110 W AES / 220 W program / 440 W peak on 16 Ω
<b>Sound pressure</b>	130 dB SPL AES / 133 dB SPL program / 136 dB SPL peak
<b>Components</b>	LF: 1 x 12" Neodym woofer with 3" voice coil HF: 1 x 1,4" Neodym driver with 3" voice coil
<b>Dimensions (HxWxD)</b>	325 x 605 x 520 mm



Transport and rain protection for 4 x Ikarray-12



Adjustment of the spindle mechanism is also possible under load

60 cm truck size



Trolley for the transport of up to 4 x Ikarray-12



# Ikarray-8



The Ikarray-8 is a novel concept plug & play line-array with incredible power density: 2x 8" and 4x 1" drivers are stacked vertically in a compact housing. Few elements of this system are needed to achieve acoustically effective length and great range. It closes the gap between conventional loudspeakers and line-arrays.

Contrary to conventional line-arrays there is no need for the user to deal with simulation software, splay angles, rigging hardware and DSP filters. Ikarray-8 comes precurved and elements are simply connected to each other at fixed angles. For greater flexibility and scalability array elements will be available with 5°x100° and 15°x100° directivity pattern. This way, several units can be connected without vertical coverage becoming too big. This results in higher achievable SPL and headroom compared to other fixed-angle system which are limited to fewer elements.

This unique feature is patent pending. Ikarray-8 is suitable not only for smaller venues, but also for medium sized.

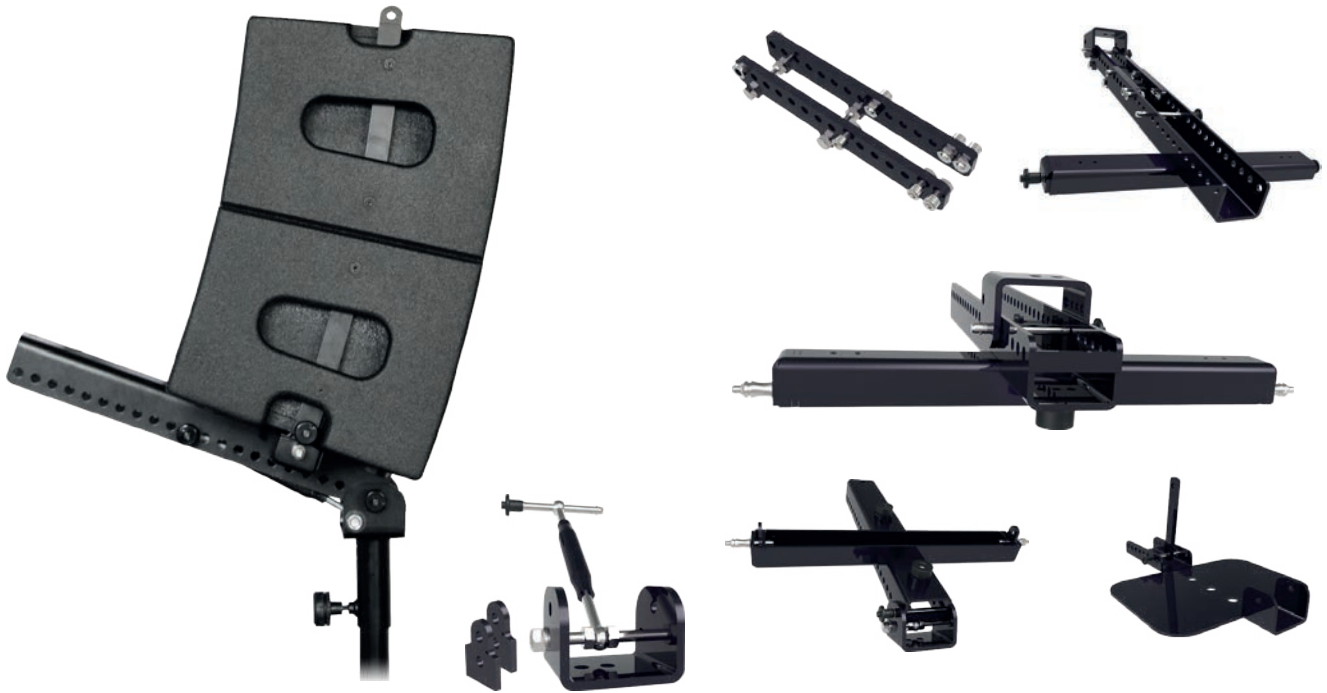
The continuous steel rigging system is concealed within the cabinet and there are no protruding metal parts. This imparts the system with an elegant and unobtrusive appearance, suitable for sophisticated demands in mobile and especially installation application. Stacking feet and their corresponding slots allow immediate and easy cabinet alignment and connection via ball lock bolt. 4 handles provide optimum handling.

The Ikarray-8 has an innovative flight mechanism, which can be used optionally in ground stacking and on a tripod. In all cases it can be attached and aligned without tools.

The 8" woofers have been recessed to optimize the time alignment for the passive crossover. On the other hand the recess has been used to provide the woofers with additional horn loading. The horn flare also makes sure that criteria for a coherent wavefront are met by forming a narrow rectangular outlet.



<b>Frequency range 15°</b>	80 Hz - 18 kHz (- 10 dB) 117 Hz - 16 kHz (+/- 3 dB)
<b>Frequency range 5°</b>	80 Hz - 19 kHz (- 10 dB) 117 Hz - 16 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	100° x 15° oder 100° x 5° depending on housing version
<b>Powerhandling</b>	500 W AES / 1.000 W program / 2.000 W peak on 4 Ω
<b>Sound pressure 15°</b>	131 dB SPL AES / 134 dB SPL program / 137 dB SPL peak
<b>Sound pressure 5°</b>	133 dB SPL AES / 136 dB SPL program / 139 dB SPL peak
<b>Components</b>	LF: 2 x 8" Neodym woofer with 65 mm (2,5") voice coil HF: 4 x 1" Ferrit driver with 44 mm (1,75") voice coil
<b>Dimensions (HxWxD)</b>	465 x 513 x 291 mm

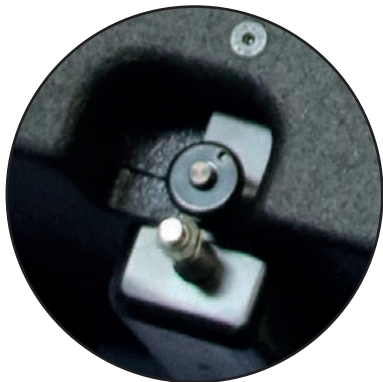
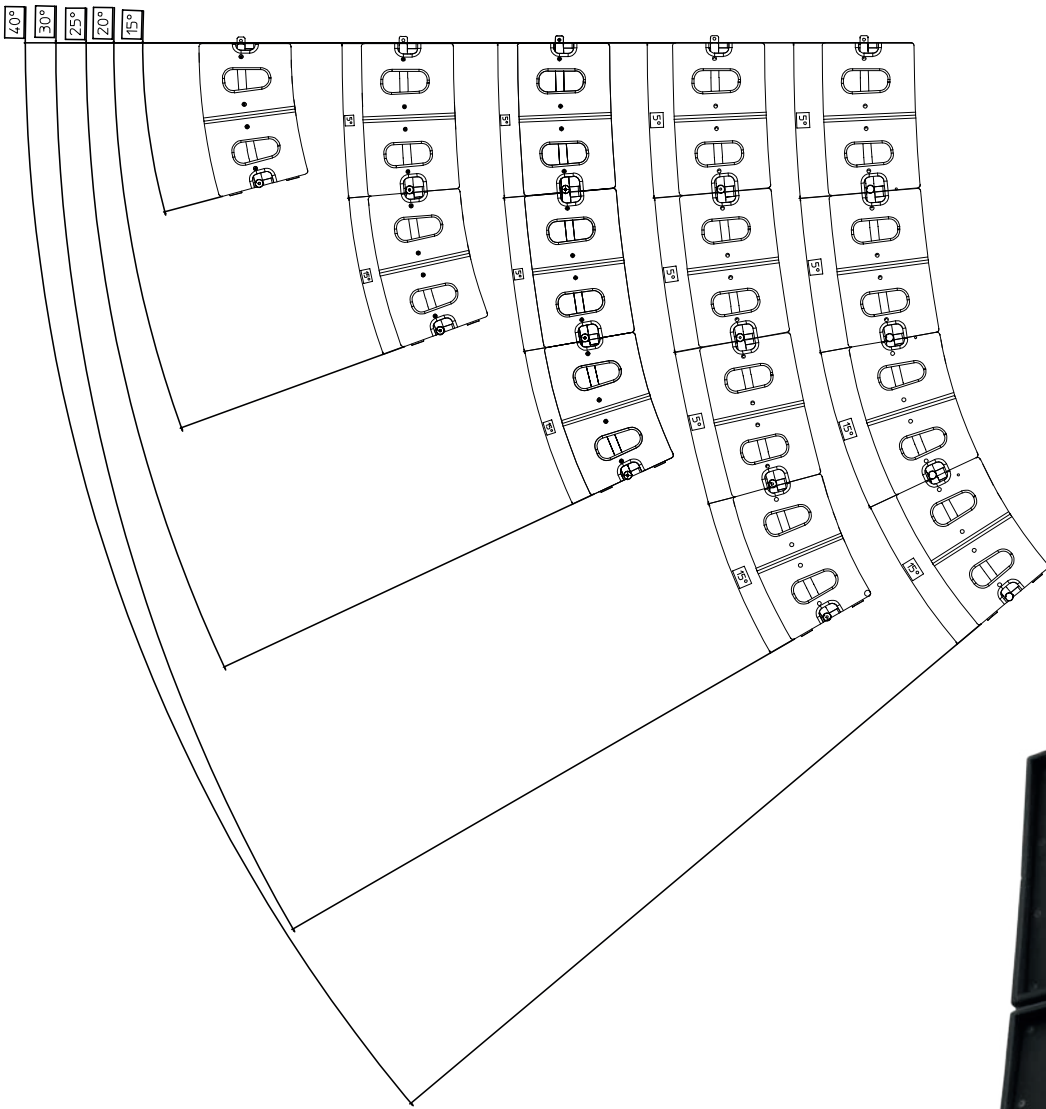


Flight mechanics with tripod option, extension and ground stacking adapter

Voice-Acoustic HDSP system amplifiers and self-powered subwoofers contain presets for all 5° and 15° combinations and guarantee optimum performance. One Ikarray-8 is powered by a single 800W amplifier channel. A self-powered subwoofer can power another subwoofer and two Ikarray-8 in stereo. A HDSP-6 amplifier can provide for 4 subwoofers and 4 Ikarray-8. A bigger system consisting of 8 basses and 8 double-8" tops and be powered by only two HDSP-6 amplifiers. This turns Ikarray-8 into one of the most cost-effective systems available.



2 x 8 „over each other, double array length compared to other 2 x 8" arrays



Recessed mechanism, no protruding parts



# VENIA-Series



The VENIA's fit into the case with mounted handles and X-Tension mechanism in the case

With its slim appearance, the VENIA series makes a valuable appearance in all mobile applications and in fixed installations. The beautifully curved front grille with discreet mini-honeycomb perforation and large R50 side radii makes the loudspeaker look very elegant and integrate discretely even in architecturally sophisticated surroundings. With the optional X-Tension, a designer stand with the same enclosure format, the VENIA-8 becomes a design sculpture and can be raised to a visually appealing height. A steel base plate is available to ensure that the X-Tension stands securely. In addition, the X-Tension can be mounted on any subwoofer with an M20 flange.

The VENIA-8's sophisticated detail solutions and extensive range of accessories allow for a wide variety of applications and installations. The integrated pole mount, the tool-free mountable Voice-Acoustic Easyfly mechanism, or the U- and C-bracket and various M10 mounting points leave nothing to be desired. For best handling in mobile operation, up to 20 u-shaped handles can be mounted vertically and horizontally on the rear. A safety cable for secondary safety can be attached with a single-stud.

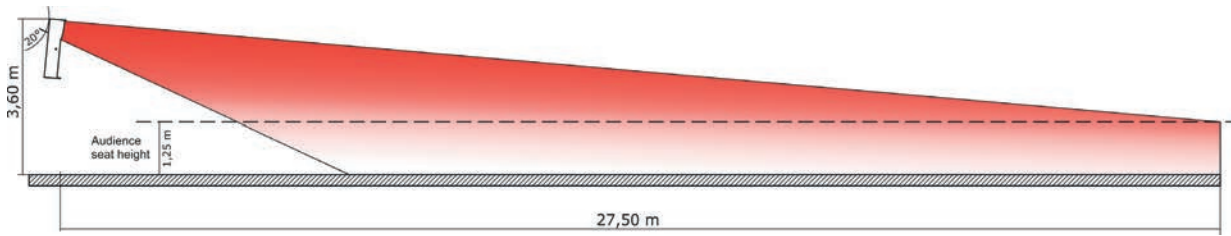


VA-Flying Track

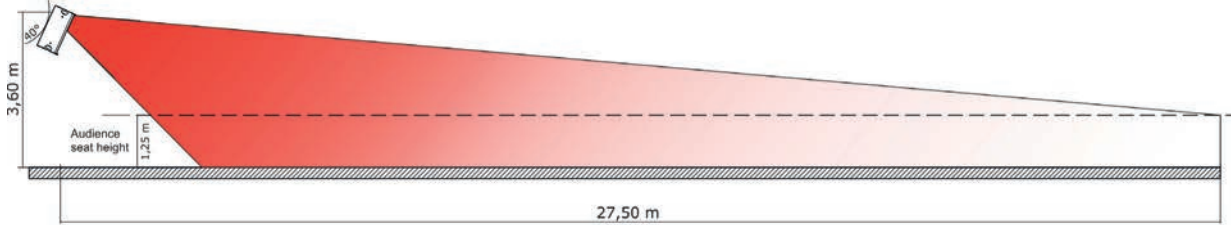
Integrated box flange 0° and 5°

The HF section of the VENIA series provides a vertically asymmetrical sound pressure coverage with a plane wavefront. The principle of larger line arrays is transferred to the VENIA loudspeakers in a compact column format: the high-frequency energy is bundled to cover longer distances and the near field is covered by curving with a lower energy content distributed to a larger area. The result is a very balanced level distribution across the entire listening area with very homogeneous sound distribution. This gives VENIA-8 an enormous advantage as a single loudspeaker and is also easier and faster to set up and commission than conventional line array systems.

Two VENIA loudspeakers can be operated in head stacking configuration, which extends the range of applications. The VENIA series sets a new standard in performance and design for high-performance column line array loudspeakers.

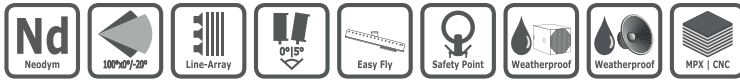


Energy coverage VENIA Series: Very even volume coverage from front to back



Energy coverage conventional loudspeaker: Loud at the front and quiet at the back

# VENIA-8/8sp DDA



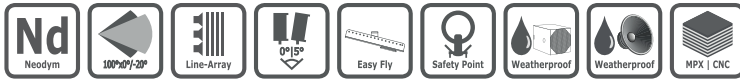
The VENIA-8 is a 2-way bi-amplified column line array loudspeaker, equipped with 4 x 8" drivers and 4 x 1" compression drivers. The high-frequency drivers are coupled to a line array waveguide and produce a dispersion angle of 100° horizontally and 0°/-20° vertically via a large horn.

Due to its low crossover frequency, the VENIA-8 can be combined with any subwoofer. With its above-average performance of almost 140 dB at a weight of just 35 kg, it is also a powerful Main-PA in combination with several subwoofers. A stereo pair of VENIA-8s can be combined with up to eight Paveosub-118. Thanks to the powerful high-frequency driver unit, the VENIA-8 always plays in a relaxed and pleasant manner, even at high volumes, and meets even the highest sonic demands.



<b>Frequency range</b>	56 Hz - 19 kHz (- 10 dB) 72 Hz - 16 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	100° x 0°/ -20°
<b>Powerhandling</b>	LF: 1.000 W AES / 2.000 W program / 4.000 W peak on 8 Ω HF: 160 W AES / 320 W program / 640 W peak on 8 Ω
<b>Sound pressure</b>	133 dB SPL AES / 136 dB SPL program / 139 dB SPL peak
<b>Components</b>	LF: 4 x 8" Neodym woofer with 2,5" voice coil HF: 4 x 1" Neodym driver with 1,75" voice coil
<b>Dimensions (HxWxD)</b>	1.336 x 245 x 336 mm

# VENIA-6/6sp DDA



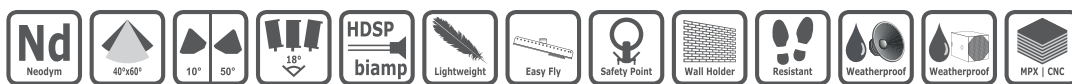
The Voice-Acoustic VENIA-6 is a passive 2-way column line array loudspeaker, equipped with 4 x 6.5" drivers and 3 x 1" compression drivers. The high-frequency drivers are coupled to a line array waveguide and produce a dispersion angle of 100° horizontally and 0°/-20° vertically via a large horn.

With its low crossover frequency, the VENIA-6 is also a convincing full-range stand-alone solution. With its powerful performance, it is also an elegant Main-PA in combination with several subwoofers. A stereo pair of VENIA-6s can be combined with up to six Paveosub-118. Thanks to the powerful high-frequency driver unit, the VENIA-6 always plays in a relaxed and pleasant manner, even at high volumes, and meets even the highest sonic demands.



Frequency range	48 Hz - 19 kHz (- 10 dB) 80 Hz - 19,5 kHz (+/- 3 dB)
Coverage range (h x v)	100° x 0°/ -20°
Powerhandling	800 W AES / 1.600 W program / 3.200 W peak an 8 Ω
Sound pressure	128 dB SPL AES / 131 dB SPL program / 134 dB SPL peak
Components	LF: 4 x 6,5" Neodym woofer with 1,8" voice coil HF: 3 x 1" Neodym driver with 1,75" voice coil
Dimensions (HxWxD)	1.050 x 213 x 390 mm

# CXN-16



The CXN-16 is a multi-functional bi-amping high performance monitor.

It's appealing rounded shape let it integrate easily in any venue in an elegant and unobtrusive way. A small footprint and outstanding performance go hand in hand and make sure it is always a perfect choice no matter if it's a confined stage or the biggest venue. The CXN-16 has the world's best size-weight-power ratio: 540 x 540 x 360 mm, 26 kg, 1.000 W AES, 101 db Sensitivity.

4 x 8" equals 16" and surpasses the capabilities of standard 15" designs.

Four separate 2,5" woofer voice coils plus a dedicated 3" horn driver provide much more space for heat dissipation and reduce powercompression. Amplifier power is used more efficiently.

Our goal was to create a professional tool and make a sound technicians work more easy as well as giving artists on stage a reliable response and positive vibe for their performance.

The symmetrical placing of the speakers creates a well centered and smooth soundfield that does not change when the artist moves around.



VA-Flying Track



4 x M10 metal bracket internal for 8 x M10 mounting points

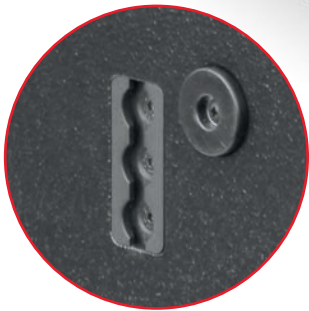
<b>Frequency range</b>	63 Hz - 17,3 kHz (- 10 dB) 80 Hz - 14 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	40° x 60°
<b>Monitoring angle</b>	50° and 10°
<b>Powerhandling</b>	1.000 W AES / 2.000 W program / 4.000 W peak on 8 Ω
<b>Sound pressure</b>	131 db SPL AES / 134 db SPL program / 137 db SPL peak
<b>Components</b>	LF: 4 x 8" Neodym woofer with 2,5" voice coil HF: 1 x 1,4" Neodym driver with 3" voice coil
<b>Dimensions (HxWxD)</b>	360 x 540 x 540 mm







Cable duct on bottom of housing



Safety point

A huge 1,4" horn allows for a very low crossover frequency and precise directivity which is vital for clarity and a detailed response. To lower frequencies this precise directivity pattern is extended by the coupling of our 4 x 8" design and results in an overall very far reach and off-axis rejection. You can pinpoint the sound where you want it.

The CXN-16 surpasses conventional coaxial designs in sound accuracy, directivity behaviour and power handling and sets a new standard. Our 8" woofers have a low moving mass and high sensitivity and react quicker than bigger speakers. Artists receive a very precise response and, more importantly, a well balanced tonal quality to avoid pitch issues and increase gain-before-feedback as much as possible.

The CXN-16 has the same width as the Paveosub-118 and it's feet are made to fit to the stacking trays of the subwoofer. Visually and mechanically they form an elegant package for drum- or DJ-monitoring. A Voice-Acoustic self powered subwoofer and drive a CXN-16 in half-powered mode.

The rugged grille is made from 2 mm steel and it's curved shaped is reinforced by welded bracings on each side and additional support in the middle on top of the horn. It is hardwearing of course.

A small tunnel on the bottom allows cabling to be routed through beneath the monitor. A tilting pole socket, the popular Easyfly mechanism and a flying track for safety cable make CXN-16 into a multifunctional tool for professionals.



Tilting pole socket



# Modular series

The name's the program here. The Modular series is extremely flexible and is innovative with its combination of array point source systems and multifunctional usable individual speakers. As well as its use as a single full-range speaker, with high performance head with bass support and high-performance monitor on stage, the Modular series also designed to be used with multiple units next to each other, in a horizontal array design.

Any interference and associated sound interruptions between the sound sources are reduced to a minimum by using special housing geometry, suitable for the narrower beam angle of the rotatable horn. Each horn works only in its defined sound directivity. This technique allows the user an even greater range of applications with only one speaker model and is registered at the Patent Office.

"Easyfly", (also registered with the Patent Office), is a 'one-click' mechanism which allows tool-free hanging and precise alignment in a few seconds. The mechanism is more elegant and smaller than a conventional rigging brace. The Modular series is equipped with inconspicuous mounting rails on two sides of the housing. This means the speaker can be hung or flown upright or horizontally, using the 'Easyfly' mechanism. At the back is a third mounting rail for the compulsory safety cable.

For accurate alignment on a stand or mounting pole, the Modular series has an internal, tilting pole socket enabling and an adjustment of +/- 18° tilt.



Tilting pole socket and Speakon socket



New handle design



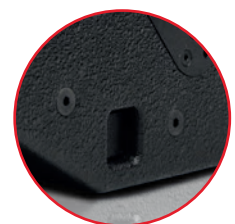
Easy-Fly Mechanik



one flying rail each at top and side

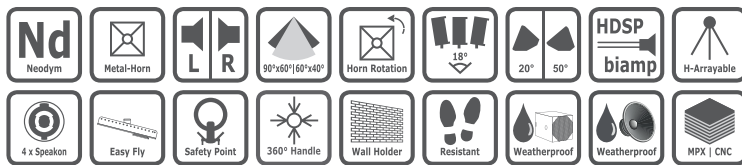


Safety point on the rear side



4 x Speakon sockets top, bottom and rear

# Modular-15/15sp DDA



The Modular-15 is a bi-amping multifunctional loudspeaker with high-quality 15"/1,4" neodymium drivers.

The 15" chassis is specially designed for clean, detailed mid-range reproduction with high, undistorted sound pressure. A particularly low moving mass (mms 100 g) in combination with the extremely powerful neodymium drive (B/L factor 26) enables the good transmission qualities of a 12-incher to be combined with the large diaphragm area and the associated sound pressure of a 15-incher. Thanks to a large 4" voice coil and elaborate ventilation openings in the magnet system, the chassis is highly resilient, dissipates heat optimally and keeps power compression low. Aluminium demodulation rings in the magnet system ensure minimal distortion. The user can choose between two different beam angles: 60° x 40° or 90° x 60°.

For installation, the Modular-12 is supplied with the „Easy-fly“ mechanics, swivel wall brackets or the 12 internal M10 thread points steel inner angles.

The Modular-15 can also be retrofitted in the factory to the self-powered version with 2-channel 3.2 kW output stage module and DSP board.



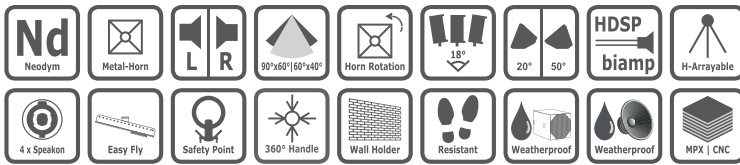
6 x M10 metal brackets internal for 12 x M10 mounting points



Modular-15sp DDA

<b>Frequency range 60°</b>	60 Hz - 17,6 kHz (- 10 dB) 130 Hz - 17 kHz (+/- 3 dB)
<b>Frequency range 90°</b>	58 Hz - 17,8 kHz (- 10 dB) 122 Hz - 16.5 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	90° x 60° or 60° x 40°, rotatable horn
<b>Monitoring angle</b>	50° and 20°
<b>Powerhandling</b>	LF: 850 W AES / 1.700 W program / 3.400 W peak on 8 Ω HF: 110 W AES / 220 W program / 440 W peak on 16 Ω
<b>Sound pressure</b>	129 dB SPL AES / 132 dB SPL program / 135 dB SPL peak
<b>Components</b>	LF: 1 x 15" Neodym woofer with 4" voice coil HF: 1 x 1,4" Neodym driver with 3" voice coil
<b>Dimensions (HxWxD)</b>	698 x 431 x 368 mm

# Modular-12



The Modular-12 is a bi-amping multifunctional loudspeaker with high-quality 12"/1,4" neodymium drivers.

The Modular-12 uses a 12" chassis of the latest generation and has been specifically designed for a clean, detailed midrange with a high, undistorted sound pressure. A low moving mass (mms 46 g) in combination with the extremely powerful neodymium drive (B/L factor 17.6) enables a high efficiency and a performance that can otherwise only be achieved with larger loudspeakers. The chassis can be driven hard, and heat dissipates optimally keeping the power compression low. This is enabled by the large 4" voice coil and elaborate ventilation openings in the magnet system. The aluminum demodulation rings in the magnet system ensure low distortion.

For installation, the Modular-12 is supplied with the „Easy-fly“ mechanics, swivel wall brackets or the 12 internal M10 thread points steel inner angles.

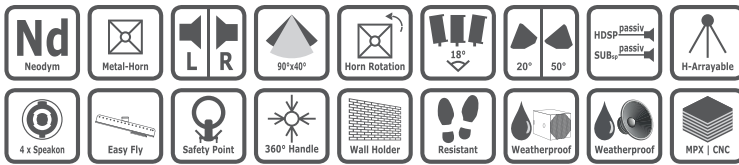


6 x M10 metal brackets internal for 12 x M10 mounting points



<b>Frequency range</b>	63 Hz - 18 kHz (- 10 dB) 90 Hz - 17 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	90° x 60° or 60° x 40°, rotatable horn
<b>Monitoring angle</b>	50° and 20°
<b>Powerhandling</b>	LF: 450 W AES / 900 W program / 1.800 W peak an 8 Ω HF: 110 W AES / 220 W program / 440 W peak an 16 Ω
<b>Sound pressure</b>	127 dB SPL AES / 130 dB SPL program / 133 dB SPL peak
<b>Components</b>	LF: 1 x 12" Neodym woofer with 3" voice coil HF: 1 x 1,4" Neodym driver with 3" voice coil
<b>Dimensions (HxWxD)</b>	615 x 380 x 304 mm

# Modular-10



The Modular-10 is a compact and powerful multifunctional loudspeaker with high-quality 10"/1" neodymium drivers and passive crossover.

The Modular-10 uses a 10" chassis of the latest generation and has been specifically designed for a clean, detailed mid-range with a high, undistorted sound pressure. A particularly low moving mass (mms 31g) in conjunction with the extremely powerful neodymium driver (B/L factor 20) enable a very high sound pressure. The chassis can be driven hard, and heat dissipates optimally keeping the power compression low. The magnet system use ventilation openings in. The aluminum demodulation rings in the magnet system ensure low distortion.

The standard horn is 90° x 40°. If two Modular-10s are to be used side by side in an array, the horn must be rotated to avoid interference.

For installation, the Modular-10 is supplied with the „Easy-fly“ mechanics, swivel wall brackets or the 8 internal M10 thread points steel inner angles.



Modular-10 in array on stand fork



4 x M10 metal brackets internal for 8 x M10 mounting points



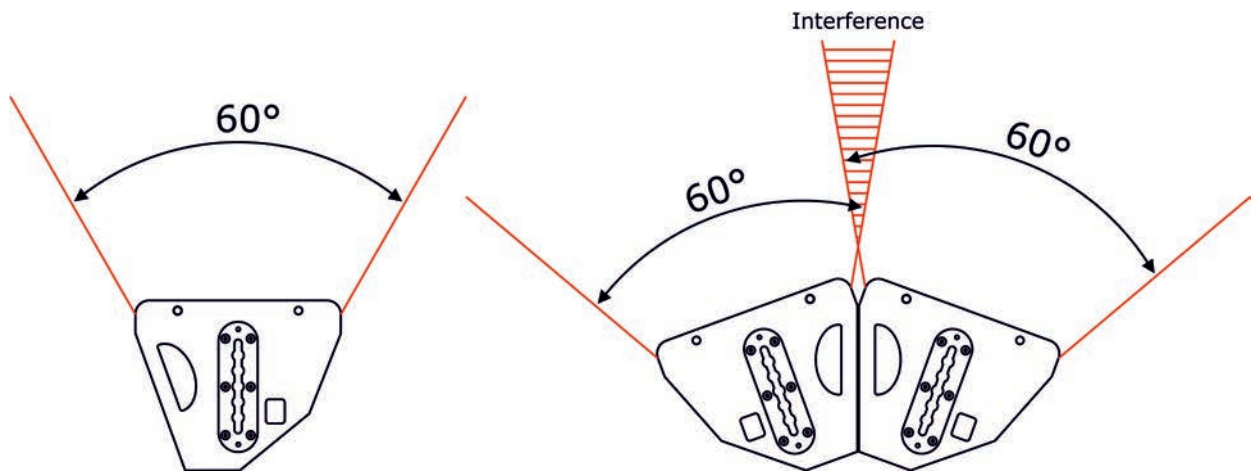
<b>Frequency range</b>	70 Hz - 22 kHz (- 10 dB) 107 Hz - 21 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	90° x 40°, rotatable horn
<b>Monitoring angle</b>	50° and 20°
<b>Powerhandling</b>	350 W AES / 700 W programm / 1.400 W peak on 8 Ω
<b>Sound pressure</b>	125 dB SPL AES / 128 dB SPL program / 131 dB SPL peak
<b>Components</b>	LF: 1 x 10" Neodym woofer with 2,5" voice coil HF: 1 x 1" Neodym driver with 1,7" voice coil
<b>Dimensions (HxWxD)</b>	520 x 321 x 267 mm

# Modular series in array

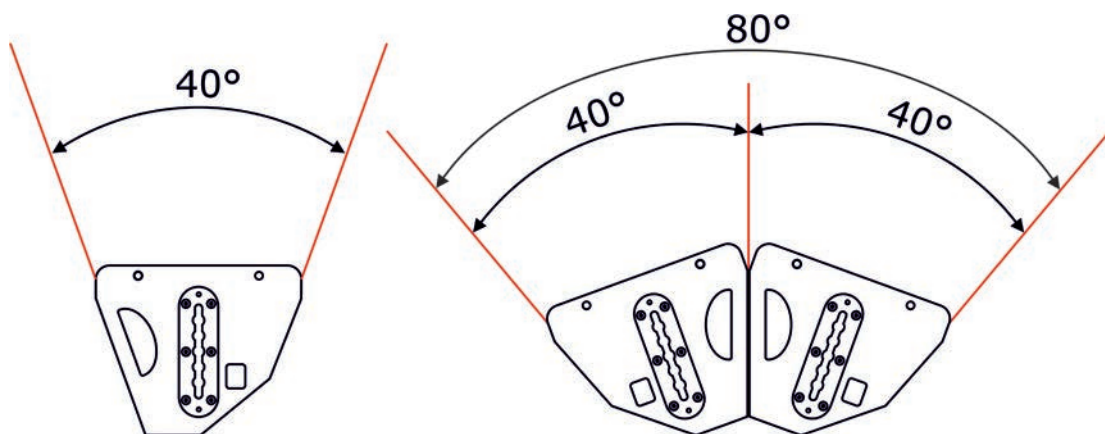


The rotatable horn  $60^\circ \times 40^\circ$  is fitted as standard on the Modular-15/15sp and the rotatable horn  $90^\circ \times 40^\circ$  on the Modular-10. If two Modular Series loudspeakers are to be used side by side in an array, the horn must be rotated to avoid interference. With the horn  $90^\circ \times 60^\circ$  of the Modular-15/15sp no array can be formed.

Modular-15/15sp in array

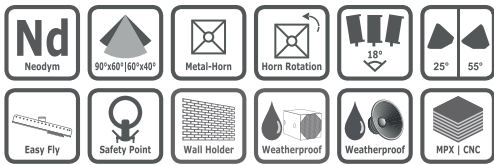


Modular-15/15sp in array with horn  $60^\circ \times 40^\circ$  (v x h) interference occurs



Modular-15/15sp with rotated horn  $40^\circ \times 60^\circ$  (v x h) Interference minimized

# Score-8



The Voice-Acoustic Score-8 is a passive 2-way system equipped with two 8" drivers transducer in D'Appolito arrangement and a 1.4" compression driver coupled to a rotatable CD horn with either 60° x 40° or 90° x 40° dispersion. With its sleek appearance, the Score-8 looks great in all mobile applications and fixed installations. It sets new standards for compact high-performance loudspeakers.

The above-average performance is also achieved by the horn-loaded design of the 8" transducer. The Score-8 already achieves a sensitivity of 105 dB 1W/1m in the low/mid-range. In the high frequency range, a 1.4" horn is used, which is very large in relation to the cabinet dimensions. This ensures even higher efficiency and a perfect directivity in the upper frequency range. The vertically tight bundling in the low-mid range is also achieved by the D'Appolito arrangement with its physically determined coupling of the 8" drivers. This gives the Score-8 a long range and better speech intelligibility with more direct sound in the listening area.

Due to the horn front of the 8" drivers, the acoustical centre between woofer and tweeter is very close together. This results in a mechanical time alignment with less time offset between the 2-ways and a phase optimization in the crossover area.

The Score-8 uses a newly developed 1.4" neodymium high frequency driver with an innovative composite diaphragm. The material mix of this new dome effectively minimizes unwanted resonances. This results in a detailed and excellent voice and music reproduction with a very warm, natural and clean sound image even at the highest volumes. Combined with the fast response of the 8-inch speakers, the result is an outstanding musical and impulse-focused loudspeaker that meets even the highest sound requirements.



4 x M10 metal brackets internal for 8 x M10 mounting points



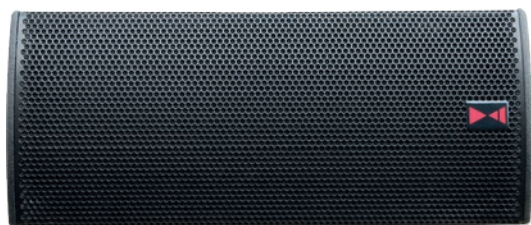
All handles and connections are cut out



Sound-permeable gases as rain protection for outdoor applications



The Score-8 features a 55° and 25° stage monitoring angle. Lying flat across, its low profile also makes it an ideal and very powerful front fill for use on the front edge of the stage. The sophisticated detailed solutions and the very extensive accessories allow a wide range of application and installation possibilities for the Score-8.



VA-Flying Track

With the integrated tiltable speaker flange, the tool-free mountable Easyfly mechanics or the multifunctional L-bracket, as well as U- and C-brackets and various M10, M8 and M6 mounting points, all requirements are covered. A safety cable for secondary safety can be attached to the corrosion-resistant input panel made of V2A stainless steel with a single-stud.

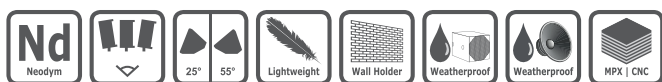


Tilting pole socket and handle recess bottom



<b>Frequency range</b>	65 Hz - 19 kHz (- 10 dB) 78 Hz - 17,3 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	90° x 40° or 60° x 40°
<b>Powerhandling</b>	500 W AES / 1.000 W program / 2.000 W peak an 4 Ω
<b>Sound pressure</b>	130 dB SPL AES / 133 dB SPL program / 136 dB SPL peak
<b>Components</b>	LF: 2 x 8" Neodym woofer with 2,5" voice coil HF: 1 x 1,4" Neodym driver with 2,4" voice coil
<b>Dimensions (HxWxD)</b>	625 x 262 x 337 mm

# Score-5



The Score-5 is a compact and powerful multifunctional loudspeaker for mobile applications and installation equipped with 2 x 5"/1" drivers. The high-quality and fully phase optimized passive crossover with full equalisation allows for use with any amplifier.

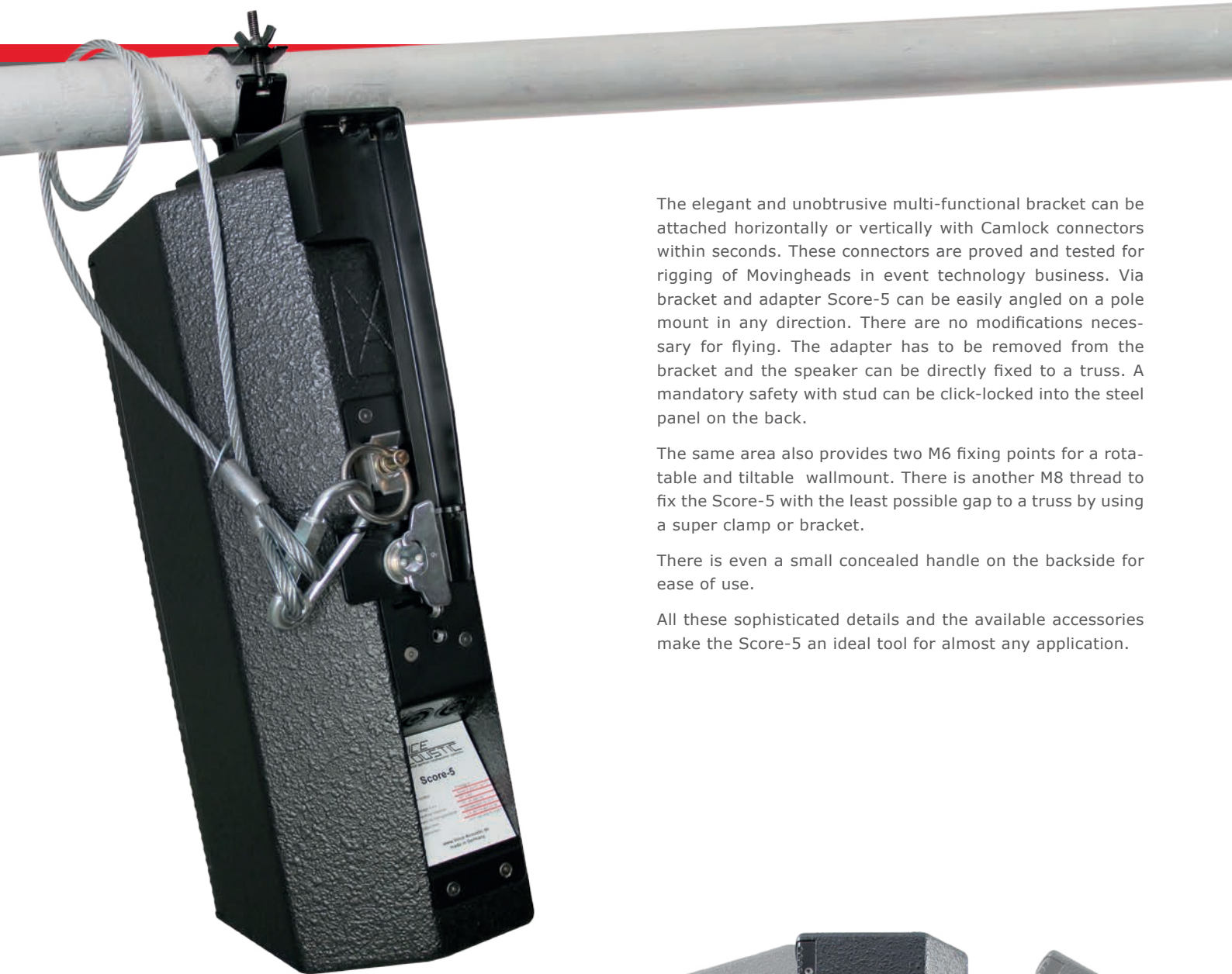
The Score-5 is a fullrange system to enable speech and background music application without additional subs. Together with one of our subwoofers it turns into an elegant high-power PA.

During development great care was taken to achieve a precise 70° x 55° directivity pattern. The 55° vertical focusing is extended downward into the lowmids through a D'Appolito arrangement of the 5" woofers and their acoustic coupling. Compared with other speakers of this size, This provides the Score-5 with a farther throw and better speech intelligibility due to the higher direct sound ratio.

Parallel sidewalls and narrow front dimensions (172mm width) make it perfect for nearfill application on stage edges or concealed in interior panelling or staircases. Cabinet angles of 25° and 55° allow for flexible monitor use. Sound technicians will appreciate the linear frequency response and neutral sound alignment which results in high gain-before-feedback and an overall easier job.



<b>Frequency range</b>	71 Hz - 19 kHz (- 10 dB) 139 Hz - 15,7 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	70° x 55°
<b>Monitoring angle</b>	55° and 25°, 90° for Nearfill
<b>Powerhandling</b>	200 W AES / 400 W program / 800 W peak on 12 Ω
<b>Sound pressure</b>	114 dB SPL AES / 117 dB SPL program / 120 dB SPL peak
<b>Components</b>	LF: 2 x 5" Neodym woofer with 32 mm (1,25") voice coil HF: 1 x 1" Ferrit driver with 1" voice coil
<b>Dimensions (HxWxD)</b>	450,5 x 172 x 190 mm



The elegant and unobtrusive multi-functional bracket can be attached horizontally or vertically with Camlock connectors within seconds. These connectors are proved and tested for rigging of Movingheads in event technology business. Via bracket and adapter Score-5 can be easily angled on a pole mount in any direction. There are no modifications necessary for flying. The adapter has to be removed from the bracket and the speaker can be directly fixed to a truss. A mandatory safety with stud can be click-locked into the steel panel on the back.

The same area also provides two M6 fixing points for a rotatable and tiltable wallmount. There is another M8 thread to fix the Score-5 with the least possible gap to a truss by using a super clamp or bracket.

There is even a small concealed handle on the backside for ease of use.

All these sophisticated details and the available accessories make the Score-5 an ideal tool for almost any application.



**Features connector panel:**

- Safety point for safety rope with single stud
- Camlock for toolless bracket mounting
- 2 x M6 and 1 x M8 thread points for mounting accessories
- Recessed and downward angled Speakon connectors



# LA-Stick Series



LA-Stick 4x4



LA-Stick 8x4



LA-Stick 12x4

With the LA-Stick 4x4, Voice-Acoustic has created a completely new and revolutionary species of loudspeaker: the Line-Array Stick, in short LA-Stick.

At first glance it resembles an ordinary column speaker, of which there are three types:

A basic column with a row of midrange drivers and a high-frequency waveguide either at the top or in the middle. This type of loudspeaker only finds solitary application; it cannot be variably scaled because effective coupling in the high frequency area is not possible when adding loudspeakers; they are singular sound sources.

Then there are column speakers with a continuous row of wide bands or midrange drivers. These columns can be connected to one another, but they cannot be directed. With each additional unit, the vertical directivity becomes inevitably narrower. To expand the directivity in the listener area, the boxes in a loudspeaker series are offered in a multitude of straight and bend forms. This results in a relatively high number of speaker types needed, reducing flexibility and complicating storage.

Another approach is the so-called dsp beam steering. The loudspeakers are operated in-line from top to bottom. Each transducer in the column has to have its own power amplifier channel and DSP-controller. An electric phase and time delay as well as an algorithm compiler calculate and electronically adjust the directivity. However, this technology is extremely expensive and too complicated for many users.

Large line-arrays in trapezoid-shaped boxes can be angled in order to project the narrow vertical directivity field to the listener area in a very practical way. This goal is achieved very precisely, avoiding unintended room reflections, and enhancing the amount and quality of sound. In coupling the line-arrays to a so-called coherent wavefront, interference is prevented and system range increased. This explains the line-array effect in simple terms.

The development of the LA-Stick 4x4 has made it possible to adapt this technology into a column format, incorporating many of the advantages found in a functioning line-array into compact dimensions, making it so much more user friendly. Not a column speaker but a line-array stick! Not only that, but just as with the large line-arrays, the LA-stick boasts a trapezoid-shaped base and top with an 8° slope. The inclination angle can be externally fine-tuned via a newly developed, innovative ball-bearing-mounted spindle mechanism on the back panel. This very sturdy mechanism renders the bending joints in ball-lock-pin form on the front side of the loudspeaker unnecessary. No mechanism or mounting parts are visible on the front side. With this discreet look it is easy to integrate and use the loudspeaker in each sophisticated ambience.

Through a special woodworking method, the box sides have been given a tapered shape emphasizing their elegant appearance. With the LA-stick, depending on the desired acoustic pressure, any number of long lines can be constructed with only one loudspeaker type. This makes the LA-series the most flexible column-style loudspeaker system in the world. A construction incorporating 16 Ω output impedance allows for operation of up to 8 LA-sticks with one self-powered active base or up to 16 with one HDSP-6 power amplifier.

The next generation lightweight 4" neodymium wide-band transducers are waterproof. The LA-stick can be used in humid or high-moisture environments, even temporarily in rain. Sophisticated accessories allow for diverse applications and installation possibilities.

## 4x4

<b>Frequency range</b>	161 Hz - 18 kHz (- 10 dB) 210 Hz - 15,4 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	70° x 25°
<b>Powerhandling</b>	120 W AES / 240 W programm / 480 W peak on 16 Ω
<b>Sound pressure</b>	116 dB SPL AES / 119 dB SPL program / 122 dB SPL peak
<b>Components</b>	4 x 4" Neodym driver with 0,75" voice coil
<b>Dimensions (HxWxD)</b>	419 x 119 x 160 mm

## 8x4

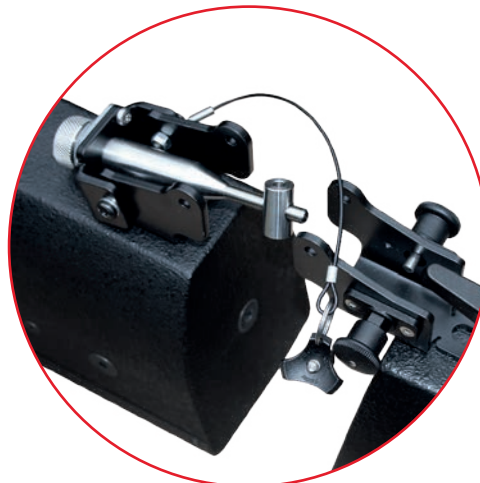
<b>Frequency range</b>	150 Hz - 19 kHz (- 10 dB) 200 Hz - 17 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	70° x 18°
<b>Powerhandling</b>	240 W AES / 480 W programm / 960 W peak on 8 Ω
<b>Sound pressure</b>	122 dB SPL AES / 125 dB SPL program / 128 dB SPL peak
<b>Components</b>	8 x 4" Neodym driver with 0,75" voice coil
<b>Dimensions (HxWxD)</b>	830 x 119 x 160 mm

## 12x4

<b>Frequency range</b>	140 Hz - 18 kHz (- 10 dB) 185 Hz - 16 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	70° x 14°
<b>Powerhandling</b>	360 W AES / 720 W programm / 1.440 W peak on 5,3 Ω
<b>Sound pressure</b>	126 dB SPL AES / 129 dB SPL program / 132 dB SPL peak
<b>Components</b>	12 x 4" Neodym driver with 0,75" voice coil
<b>Dimensions (HxWxD)</b>	1.236 x 119 x 160 mm



Infinitely variable adjustment of vertical radiation

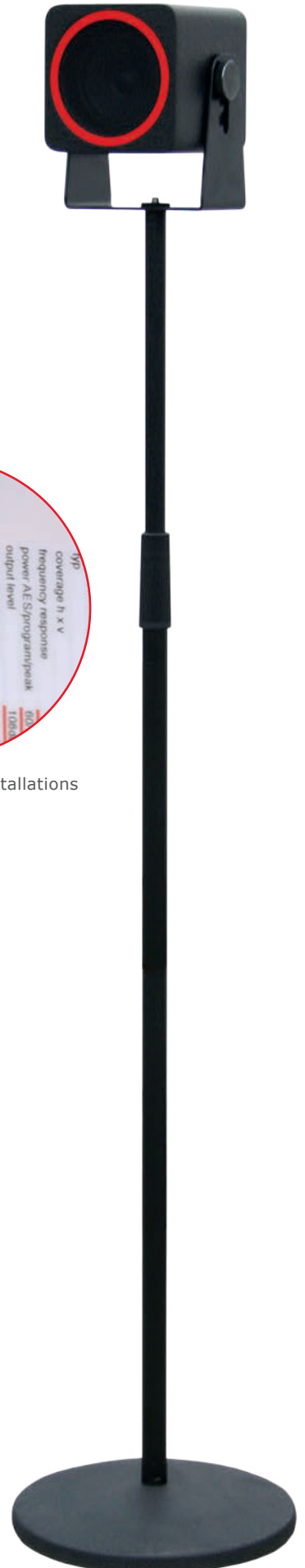
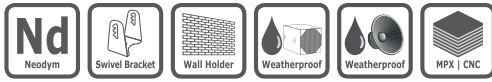


Loudspeaker can be separated without tools with the angle mechanism



Discreet optics from the front

# Alea-4



Phoenix contact for installations

The aesthetic design of the Voice-Acoustic Alea-4 compact loudspeaker captivates with its high level of efficiency and linear frequency response, all packed into the smallest box dimensions. It is perfectly suited to various sound reinforcement applications, as a main or fill system. Its compact appearance allows it to be integrated into just about every stage scene. The stable swivel bracket guarantees exact alignment with the listener arena and a secure stand on stage or in fix mounting on trusses.

For permanent installations, the Alea-4 can be mounted on walls and ceilings with the swivel bracket, and expertly aligned. There is also an elegantly concealed mounting option without the bracket. The back cover plate of the loudspeaker is recessed into the box, giving a cavity behind which space is available for a wall mount and Phoenix connection terminals. The loudspeakers can be mounted on a small wall mount corner plate and secured with an inauspicious grub screw.

The box housing covers the mount and none of the mechanical parts or the mount is then visible. This fixation option is also possible for ceiling mounts, making it ideal for example in Dolby Atmos installations.

<b>Frequency range</b>	178 Hz - 19,5 kHz (- 10 dB) 217 Hz - 15,8 kHz (+/- 3 dB)
<b>Coverage range (h x v)</b>	70° x 70°
<b>Powerhandling</b>	30 W AES / 60 W program / 120 W peak on 16 Ω
<b>Sound pressure</b>	107 dB SPL AES / 110 dB SPL program / 113 dB SPL peak
<b>Components</b>	1 x 4" Neodym driver with 0,75" voice coil
<b>Dimensions (HxWxD)</b>	134 x 134 x 150 mm



Wall bracket for hidden and flush mounting

Creative designers can take full advantage of artistic elements. Speakers are not only available in all RAL and effect colors, but also offered in custom multi-color – two or three colors (according to customer wish).

The multiplex wood casing, the honeycomb front grille and the decorative stainless steel ring on the baffle board can be each ordered in different colors. Gold and chromium plating are also offered for the grille and ring – the ring can also be ennobled with Swarovski crystals (certified). Fancy customer wishes or corporate identity design can even be delivery with short delivery times.

The next generation lightweight 4" neodymium wideband transducer is water resistant. The Alea-4 can also be utilized in high moisture areas and even temporary exposure to rain. Connection is achieved with two Neutrik Speakons in addition to a parallel 4 pole Phoenix contact connector. For long-term outdoor installation, the speakers can be connected via the Phoenix contact terminal and permanently sealed from the rear side with a cover plate (only possible with the clip mount, not with the flush mount).

This palette of technical and creative possibilities affords the Alea-4 its image as a professional and universal mini sound system. The addition of a subwoofer will elevate it to a compact and light weight Mini-PA.



Decorative ring and grille in individual design

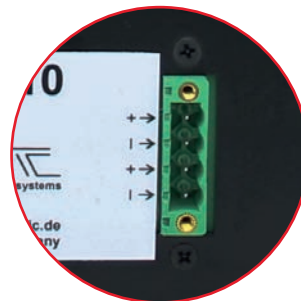
# Aleasub-10



Wall bracket for hidden and flush mounting

The Aleasub-10 is a subwoofer specifically designed as low frequency extension of our successful Alea-4. It serves all media and installation needs with its discreet yet classy modern design and satisfies even increased demand for optical appearance. Small size goes hand in hand with high efficiency, a powerful low end and very precise sound reproduction. Size and appearance allow it to blend into any location.

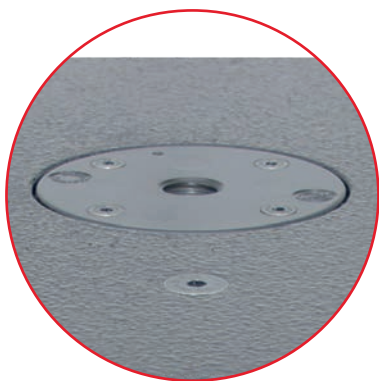
The 10" woofer with latest generation highpower 3" voice coil has a moisture resistant coating. Connectivity is take



Phoenix contact for installations

<b>Lower cut-off frequency</b>	39 Hz (- 10 dB) 49 Hz (- 3 dB)
<b>Coverage range (h x v)</b>	Omnidirektional
<b>Powerhandling</b>	350 W AES / 700 W program / 1.400 W peak on 8 Ω
<b>Sound pressure</b>	117 dB SPL AES / 120 dB SPL program / 123 dB SPL peak
<b>Components</b>	1 x 10" Ferrit Chassis with 3" voice coil
<b>Dimensions (HxWxD)</b>	363 x 306 x 400 mm





M20 flange



Decorative ring and grille in individual design



care of by two Neutrik Speakon and a 4-pole Phoenix Contact connector.

Due to their uniform design all Alea speakers offer the same creative potential. Like Alea-4 also the Alea-10 can be custom designed with all RAL and effect colours, as well as bi- or triple-coloured. A different colour can be designated to cabinet, micromesh honeycomb grille and stainless steel ring.

Grille and stainless steel ring can also be coated in gold or chrome. This way it's even possible to adapt the Aleasub-10 to your own CI needs.

There is an optional heavy-duty bracket to mount the system on ceilings or truss. Like Alea-4 we offer a concealed and elegant wall mount. The back plate is recessed into the cabinet leaving space for a shallow wall mount and Phoenix Contact connectors.

For mobile use an optional handle can be attached to the back plate and rubber feet (included) fixed to positions indicated at the bottom of the cabinet.

All of these technical and visual features turn Aleasub-10 into a professional versatile tool to implement your requirements. Together with

Alea-4 mid-high speakers it forms a compact and visually pleasing mini PA.

# Paveosub-218/218sp DDA



M20 flange and rubber feet on two sides, can therefore be used vertically and horizontally

The Paveosub-218 is a heavily vented bassreflex subwoofer designed for highest quality mobile and installation application.

Two premium 18" neodymium transducers make sure it can deliver powerful and distortion-free sound pressure levels while still providing a dynamic and low bass. Low moving mass coupled with a powerful neodymium motor provide precise signalreproduction with excellent transient response which sonically outclasses other 18" designs. A large format and powerful voice coil together with sophisticated cooling convert amplifier power more efficiently and keep power-compression low even at longterm maximum power.

Large format ports increase efficiency and prevent annoying vent noise across the whole performance range. The design of the ports further strengthens the cabinet's top and bottom. Additional reinforcement and bracing prevents resonances, increases rear attenuation and turns the Paveosub-218 into an extremely robust and ideal touring subwoofer.



Speakon sockets at the front



<b>Lower cut-off frequency</b>	32 Hz (- 10 dB) 36 Hz (- 3 dB)
<b>Coverage range (h x v)</b>	Omnidirektional
<b>Powerhandling</b>	2.400 W AES / 4.800 W programm / 9.600 W peak on 4 Ω
<b>Sound pressure</b>	136 dB SPL AES / 139 dB SPL program / 142 dB SPL peak
<b>Components</b>	2 x 18" Neodym woofer with 4" voice coil
<b>Dimensions (HxWxD)</b>	600 x 1.160 x 770 mm

There are 8 optimized handles accessible from any direction (they even include drains !) so you won't break your back.

You won't strain your back during transport and set-up due to 8 optimized handles (they even include drains !) which are easily accessible from any direction.

The subwoofer can be used horizontally or upright and provides. Stacking trays and two M20 pole mount as well as feet on the opposite side. When used upright it forms an elegant package together with the Ikarray-12 due the same 60cm width of the system.

In addition to the rear connector panel you can find two additional Speakon connectors on the robust front grille. They provide easy access when the subwoofer is positioned under the stage floor or when cabinets are turned around for creating cardioid arrays. This way cables can be kept out of sight from the audience. The front connectors as well as the loop-through connector on the rear panel use rubber caps to protect them from moisture.

Voice-Acoustic provides upgrades for Paveosub-218 to the self-powered version by fitting 4 kW amplifier modules and DSP board.



Handles with water drainage



Rear mounting points for fixed bolted transport rollers instead of front roller board

# Paveosub-118/118sp DDA



Speakon sockets at the front

The Paveosub-118 is a lightweight heavy-vented bass reflex subwoofer for universal applications for mobile use and in fixed installations.

Equipped with a top-notch 18" neodymium chassis it produces a high and undistorted bass level from the most compact dimensions. The low moving mass, with a powerful driver (B/L factor of 28), for rapid and accurate signal reproduction with excellent attack and decay, is sonically superior to many other 18" speaker designs.

The chassis has a large heavy duty 4" voice coil, a sophisticated ventilation system and a lower power compression than conventional bass drivers.

The power output is effectively used and the efficiency is maintained even under permanent full power use.

The substantial bass reflex ducts are located in four corners and the resulting chimney effect achieves good heat evaporation. The tunnel cross section equals to 500 cm<sup>2</sup>, representing about 43% of the membrane surface, giving lower distortion and higher efficiency. Due to the large, open ports there is no air-flow noise. Any wobble effect is inhibited by the corner arrangement, as the air escapes from all



<b>Lower cut-off frequency</b>	33 Hz (- 10 dB) 39 Hz (- 3 dB)
<b>Coverage range (h x v)</b>	Omnidirektional
<b>Powerhandling</b>	1.200 W AES / 2.400 W programm / 4.800 W peak on 8 Ω
<b>Sound pressure</b>	131 dB SPL AES / 134 dB SPL program / 137 dB SPL peak
<b>Components</b>	1 x 18" Neodym woofer with 4" voice coil
<b>Dimensions (HxWxD)</b>	540 x 540 x 740 mm

sides creating a uniform back-pressure. The case walls are reinforced by this kind of tunnel setup again. Additional internal bracing provides stability and prevents unwanted resonances. Rubber feet and stacking cavities guarantee safe standing without slipping.

In addition to the rear mounted connectors there are two Speakon connectors in the speaker grille. These are used if the bass is located in under stage modules, or for convenient cabling or wiring of the reverse bass in cardioide bass arrays. The sockets in the grille and the back connector are protected against moisture with weather-proof capping.

For cargo securing and lashing in stacks, two certified grommets are countersunk in to the side.

On top is an integrated M20 pole socket.

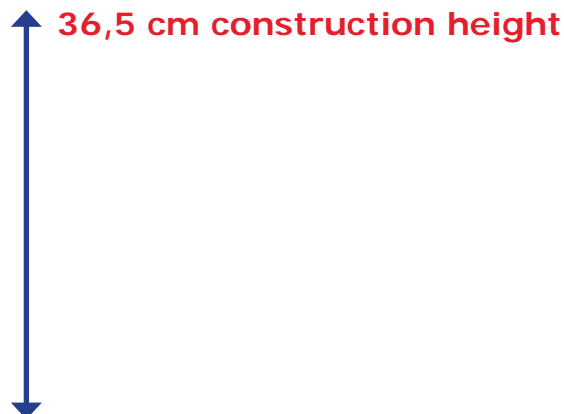
The Paveosub-118 can also be subsequently converted by the factory to the self-powered version with power amplifier module and the DSP board.



lateral lashing eyes



# Paveosub-115/115sp DDA



The Paveosub-115 is a very compact bass reflex subwoofer for universal applications in mobile use and fixed installations. It is the lowest 15" bass in the world with an overall height of only 36.5 cm. Where high sound pressure levels and draught are required in confined spaces can be used. The design of the flat box renders the subwoofer tilt resistant and makes for ideal use together with satellite tops on speaker rod cranks. In an upright-standing position, the Paveosub-115 forms an elegant silhouette with column loudspeakers or Line-Array-Sticks.

The bass reflex port is located next to the 15" long excursion woofer. Internal bracing ensures maximum stability and prevents unwanted resonances. The 2 x 4 rubber feet on the narrow and the wide sides of the casing, each with stacking notches on opposite sides, guarantee a secure standing and no slipping. There are two integrated M20 flange nuts for mounting the Paveosub-115 in a flat-lying or upright-standing position, ensuring flexible use and an attractive look depending on the combination of top units.



<b>Lower cut-off frequency</b>	34 Hz (- 10 dB) 45 Hz (- 3 dB)
<b>Coverage range (h x v)</b>	Omnidirektional
<b>Powerhandling</b>	1.200 W AES / 2.400 W programm / 4.800 W peak on 8 Ω
<b>Sound pressure</b>	129 dB SPL AES / 132 dB SPL program / 135 dB SPL peak
<b>Components</b>	1 x 15" Neodym woofer with 4" voice coil
<b>Dimensions (HxWxD)</b>	365 x 540 x 570 mm

The stacking recesses on the top of the Paveosub-115 are designed in the same footprint as the CXN-16 high performance stage monitor. In addition, both loudspeakers have a width of 54 cm and thus form a visual unit.

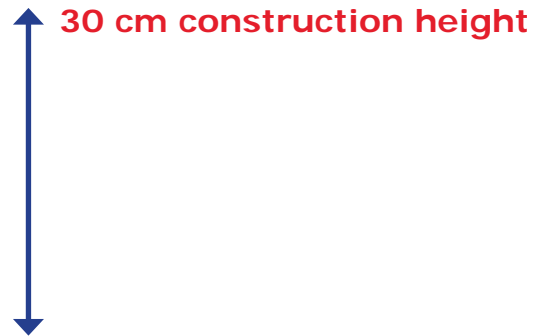
This constellation results in a professional DJ monitoring that makes every DJ happy.

The extremely powerful motor (B / L factor 23.62) of the high-quality 15" neodymium chassis guarantees fast and accurate signal reproduction with excellent transient response. The speaker features a large 4" voice coil, a sophisticated ventilation system and a lower power compression than conventional bass drivers: As a result the amplifier performance is implemented effectively and efficiency is maintained even under permanent full scale use.

Two all-round grip recesses, the detachable wheel board and the transport and rain cover round off the picture. Additionally, the Paveosub-115 can be converted in factory to the self-powered version including the 3-channel 4 kW amplifier module and DSP board.



# Paveosub-112/112sp DDA



The Paveosub-112 is a very compact bass reflex subwoofer intended for universal applications; as a mobile unit or in fixed installations. With a height of only 30 cm, it is the flattest 12" sub in the world and can be used where high sound pressure and deep working sound are required in constricted spaces.

The design of the flat box renders the subwoofer tilt resistant and makes for ideal use together with satellite tops on speaker rod cranks. In an upright-standing position, the Paveosub-112 forms an elegant silhouette with column loudspeakers or Line-Array-Sticks.

The 2 x 4 rubber feet on the narrow and the wide sides of the casing, each with stacking notches on opposite sides, guarantee a secure standing and no slipping. There are two integrated M20 flange nuts for mounting the Paveosub-112 in a flat-lying or upright-standing position, ensuring flexible use and an attractive look depending on the combination of top units.

The Paveosub's stacking notches have the same footprint as the Modular-10 lying in the monitor position. Additionally, both loudspeakers have the same 52 cm measurements and optically form one unit. This arrangement constitutes a professional drum fill and is also very space saving on stage.



<b>Lower cut-off frequency</b>	35 Hz (- 10 dB) 41 Hz (- 3 dB)
<b>Coverage range (h x v)</b>	Omnidirektional
<b>Powerhandling</b>	1.000 W AES / 2.000 W programm / 4.000 W peak on 8 Ω
<b>Sound pressure</b>	129 dB SPL AES / 131 dB SPL program / 134 dB SPL peak
<b>Components</b>	1 x 12" Neodym woofer with 4" voice coil
<b>Dimensions (HxWxD)</b>	300 x 520 x 485 mm





Additional M20 flange in the grip shell and side rubber feet can therefore be used vertically and horizontally



The extremely powerful motor (B / L factor 26) of the high-quality 12" neodymium chassis guarantees fast and accurate signal reproduction with excellent transient response. The speaker features a large -4" voice coil, a sophisticated ventilation system and a lower power compression than conventional bass drivers: As a result the amplifier performance is implemented effectively and efficiency is maintained even under permanent full scale use.

The two bass reflex ports are mounted on either side. This arrangement prevents a tumbling of the additional double-suspended membrane at high x-max as the air can escape on all sides and a uniform counter pressure is produced. The box walls have also been braced with this kind of tunnel arrangement. Other internal bracings ensure maximum stability and prevent unwanted resonance.

Two round handles, accessible from all sides and a detachable front wheel board make for easy handling.

Additionally, the Paveosub-112 can be converted in factory to the self-powered version including the 3-channel 4 kW amplifier module and DSP board.



# PD-32-6 V2



Intelligent power distributor, suitable for applications in temporary and permanent installations.

For maximum operating reliability of all connected equipment and smallest possible cut-offs the PD-32-6 is equipped with novel fault current management systems.

Standard power distributors have one residual-current-operated protective device (RCD) only. Each cut-off affects the whole system and all power for all devices is off. The PD-32-6 features six independent circuits (RCBO) which allows to switch off only the defective circuit and all other equipments remains online – The show can go on.

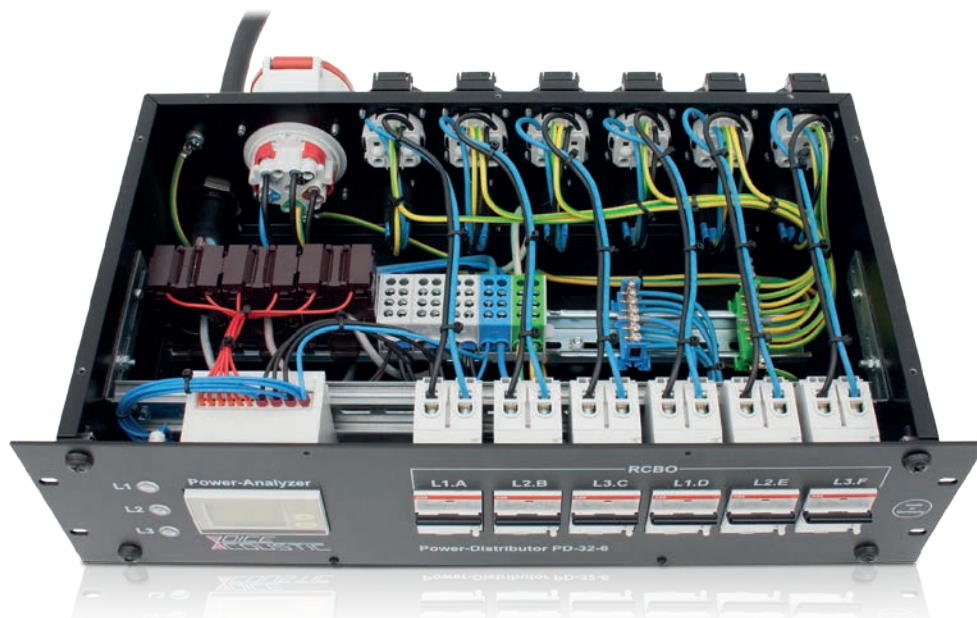
Big advantage is that possible errors can be spotted more easy as only the switched off equipment has to be monitored. A multimeasuring tool is also included to make mistake spotting even more easy and faster.

The built-in Run-time counter is essential in rental business and helps checking the real run-time of your equipment and checking the right maintenance periods.

In all three versions it has a 32 A CEE input with permanently connected 2 m cable H07RN-F 5G6 and a 32 A CEE output. Further outputs are designed as 6 x Schuko hinged cover sockets, and in parallel either 6 x Neutrik powerCON, 6 x Neutrik powerCON TRUE1, or 1 x Multipin ILME 16 pin. The Schuko hinged lid sockets can optionally be replaced by Swiss T23 standard or French/Belgian Schuko.

The power distributor is housed in a 19"/3HE housing.

One PD-32-6 can power six HDSP-6 system amplifiers. The power distributor can use the same stack-rack system as the amplifier and can be connected with the internal stack rack mechanism to a tower on the special stack rack wheelboard.





Schuko | powerCON TRUE1



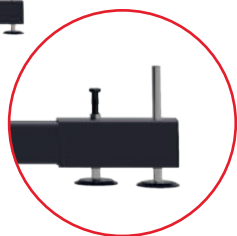
Schuko | Multipin



Schuko | powerCON

<b>IN</b>	1 x 32 A CEE 400 V Mennekes, 5p. 6 h with 2 m cable (H07RN-F 5G6)
<b>OUT</b>	1 x CEE 32 A 400 V Mennekes, 5p. 6 h 6 x Schuko Mennekes
<b>MODEL 1</b>	6 x Neurik powerCON TRUE1 NAC3FPX (parallel to Schuko)
<b>MODEL 2</b>	6 x Neurik powerCON (grey) NAC3MPB-1 (parallel to Schuko)
<b>MODEL 3</b>	1 x Multipin ILME 16 pol.
<b>Protection</b>	6 x RCBO (FI/LS Kombi) C 16 A 1p. / 0.03 A Fabr. ABB
<b>Housing</b>	19"/3HE, 260 mm deep, black sheet steel housing

# PA-Tower



Attachable foot stabilizer with long threaded spindle for more adjustment range in the outdoor area



Our target during the development of the Voice-Acoustic PA-Tower was to achieve a discreet, galable appearance with a small footprint and a maximum height of less than five meters (so that no construction book is required and only the proof of stability is sufficient).

The tower can be erected by only one person using a hand winch and a pluggable erection aid. A motor winch or chain hoist is not necessary here and therefore no power connection. By means of a stop plate on the suspension cable/load chain, no fixing is necessary for assembly the mast. With the same suspension cable/load chain, the loudspeakers are then brought up to height.

The safety factor plays a special role. Up to 400 kg of PA technology is possible at the foremost attachment point of the head section with double safety. The second independent safety device runs parallel under and behind the suspension cable/load chain and at the same time prevents the loudspeakers from turning or swinging. This is simply attached at ground level to the tower base.

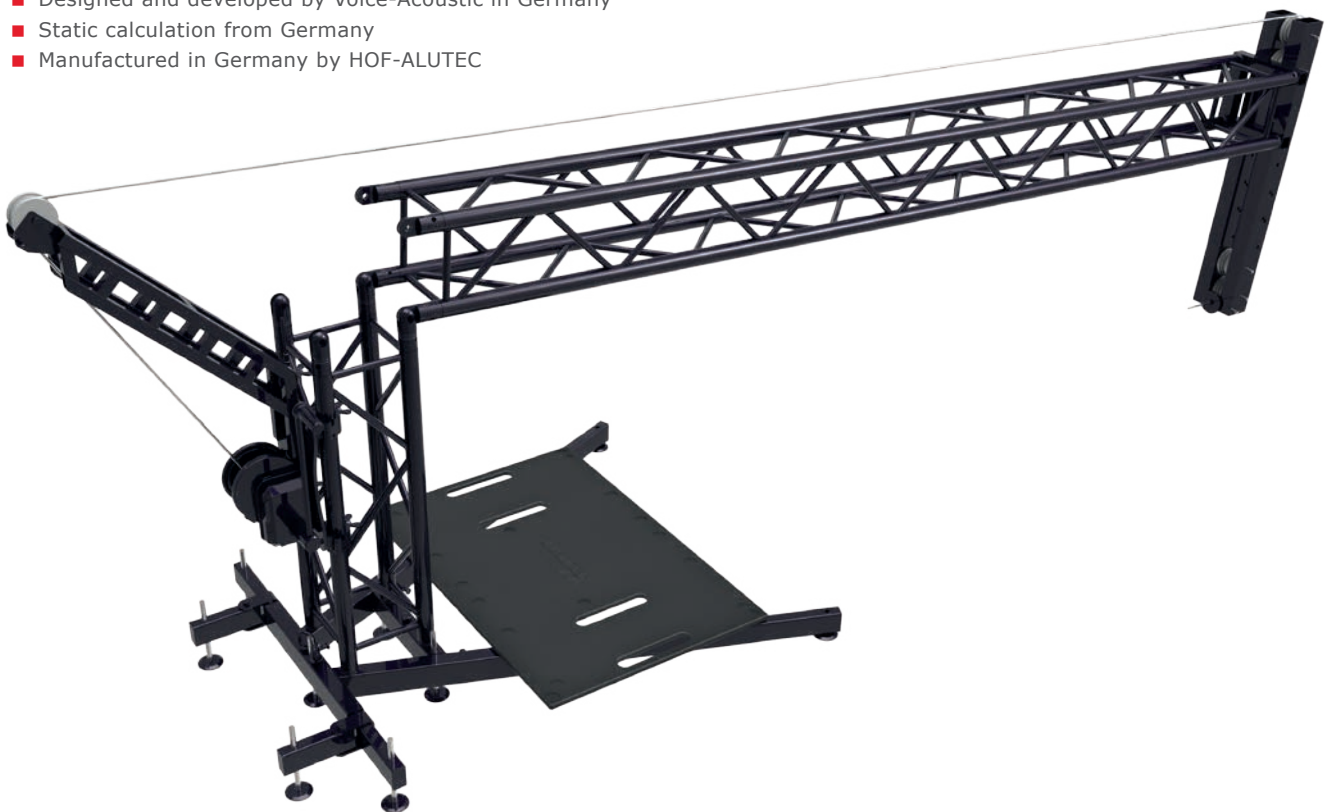
In addition, the secondary fuse can also be used for vertical alignment of the loudspeakers.

All deflection pulleys of the tower are multi deflection pulleys and can be used with steel cables or chains. The front pulleys of the stop and securing point of the head section can be moved without tools (the closer to the mast, the higher the load capacity).

The tower elements are available with the usual cone connectors or Silence quick connectors. The Silence quick-release connectors enable particularly fast and quiet assembly - the usual assembly via hammer, bolt and cotter pin is replaced by a low-noise quick-release connection system.

<b>Truss system</b>	4 conical connector truss 290-4
<b>Construction height/lifting height</b>	4,90 m/4,70 m
<b>Load capacity</b>	Indoor without dynamic load up to 400 kg / Outdoor max. 300 kg
<b>Floor area</b>	164 (w) x 132 cm (d) and 174 (w) x 140 cm (d) with clip-on foot stabilizer
<b>Ballasting</b>	Recommendation: With indoor or operating wind a minimum ballast of approx. 60 kg
<b>Stability</b>	up to max. wind force of 15 m/sec with max. 1.5 m <sup>2</sup> wind attack area

- Very discreet and gala-suitable
- For indoor and outdoor use
- All components black powder-coated
- The PA Tower with the Smallest Space Requirement
- Compact design with standard 290 mm four-belt truss
- Stand area only 164 x 132 cm and 174 x 140 cm with slip-on foot outrigger
- Height less than 5 m, therefore no building book required only proof of stability
- Pipe profiles visible to the public, closed with cover caps, also the head section
- Front long foot stabilizer with short, above flush spindle foot for discreet optics
- Flush front spindle foot prevents risk of stumbling and injury to the audience
- Attachable short foot stabilizer with long threaded spindle for more adjustment range
- Load capacity at the foremost attachment point of the head section 400 kg Indoor (Outdoor 300 kg)
- No balancing necessary for indoor applications without indoor winch
- Multi deflection pulleys for use with steel cables or optionally chain hoists
- Stop and safety points in the head section can be moved without tools
- No securing / dead hanging above, level secondary securing below at the base/mast
- Secondary securing runs parallel under and behind the suspension cable/load chain, not next to it
- Secondary safety device prevents the load from twisting, without wind no tensioning required
- Secondary fuse can be used for vertical alignment of speakers
- Easy and convenient assembly of the mast by means of manual winch and pluggable assembly aid
- Power-saving, safe and high-quality 900-kg AL-KO manual winch with 8 mm steel cable
- To be built by only one person
- No power connection necessary for mounting and lifting the load
- No fixing of the steel cable necessary for assembly of the mast due to stop plate
- PA Tower with the world's smallest transport dimension
- All components (without traverse) of a tower go in a 120 x 60 cm flightcase
- Low-cost basic version with anchor points for chain hoists and securing at the base
- Existing truss elements can be used
- Locking bolt for fixing the foot stabilizer positioned in Base, protected during transport
- Locking bolt screwed and not welded, can be replaced by the user in case of defect
- Built-in circular bubble for levelling the tower
- Spindle feet with large contact surface and rubber inlay to protect the ground
- Easier and cheaper to test than fork lifts (UVV according to DGUV regulation 17)
- Designed and developed by Voice-Acoustic in Germany
- Static calculation from Germany
- Manufactured in Germany by HOF-ALUTEC





Multi-direction pulleys for steel cables or chain hoists



Flightcase for a PA tower with 120 x 60 cm truck dimensions



Stacking board with stacking recesses or rubber mat

# Accessories

## HDSP amplifier



### 2HE, 3HE, 4HE and 6HE/19" SDS stack-racks

Stack racks in four different sizes. 2HE, 3HE, 4HE and 6HE. All can be combined and close flush at the front. They have four rubber feet on the bottom, four stacking recesses on the top and four folding handles that are recessed into the side panels. Also, the interlocking of the racks with each other does not protrude anywhere. The stack racks are made of 12 mm birch multiplex with black polyurea coating.



### 2HE, 4HE and 6HE/19" ED SDS stack-racks

Three extended versions in 2HE, 4HE and 6HE. Can also be combined with the shorter stack racks. Same features as their shorter models.



### Wheelboard for SDS stack-racks

Wheelboard for SDS stack-rack systems with stacking recesses and locking system, 4 x 100 mm blue wheels, 2 of them with brakes, load capacity 450 kg.

## Ikarray-12



### Digital dual axis angle protractor

Digital dual axis angle protractor with a resolution of 0.01°. The device has an audible signal when the desired inclination. By magnetic feet at the 4 corners, the unit can be mounted either at the rigging frame or directly on the front grille of the loadspeaker.



### LAP-TEQ Clinometer

Device for precise positioning of line arrays. The set consists of a display module and two sensor modules with a resolution of 0.01° within an angle of +/- 40°.



### Rigging frame

Frame for suspending the Ikarray-12 line array system. Can also be used in groundstacking.



### Dolly Ikarray-12

Dolly for transport of up to 4 x Ikarray-12, with mounting mechanics and braked 100 mm castors.



### Ikarray-12 Stackboard

Stackboard for the installation of up to 4 x Ikarray-12 on a Paveosub-218, with fixing mechanism.



#### Outriggers for rigging frame

Two Outriggers for proper leveling and aligning the rigging frame for ground stacking without subwoofers.

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## Transport and protection



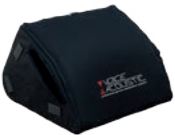
#### Transport and rain cover for Ikarray-12

Transport and rain cover for four Ikarray-12 in Groundstacking, stable Cordura fabric with padding. The side handles are cut out.



#### Transport cover for Ikarray-8/15° and 5°

Transport cover for both Ikarray-8 models, sturdy Cordura fabric with padding, all handles are cut out.



#### Transport cover for CXN-16

Transport cover for the CXN-16 high performance monitor, stable Cordura fabric with padding, all handles are cut out.



#### Transport and rain cover for Modular-Serie, Score-8

Transport and rain cover for the Modular series and Score-8. Sturdy Cordura fabric with padding, all handles and connections are cut out. The front can be folded to the side, behind it is a sound-permeable gas as rain protection for outdoor use.



#### Transport and rain cover for subwoofer

Transport and rain cover for the Paveosub series. Made of sturdy padded Cordura fabric. All handles and connections are cut out for outdoor use. The cover of the Paveosub-112/112sp serves only as transport protection and the connections are not cut out.



#### Score-5 Bag

Carrying case for up to two Score-5 with mounted L-bracket and additional front pocket for accessories.



#### LA-Stick 4x4 Bag

Carrying bag for up to two LA-Stick 4x4 with angular mechanics. Including insertable partition, if you want to carry the LA-Sticks without angle mechanism separately.



#### Alea-4 Bag

Carrying bag for up to four Alea-4 with U-bracket. Includes insertable divider pad and additional front pocket for accessories.





#### Transporttasche für VENIA

Transport bag for 1 x VENIA. The VENIA-8 transport bag is also suitable for 1 x X-Tension Kit VENIA-6 and VENIA-8. Sturdy Codura fabric with padding.



#### Carrying bag for Ikarray-8 mechanics

Carrying bag for up to two flight mechanics or groundstacking adapter with accessories. Includes partition wall and additional front pocket for accessories.



#### Carrying bag for Easyfly-Mechanics

Carrying bag for up to two Easyfly-Mechanics heads with attached traverse clamp plus accessory compartment for two safetys with single studs.



#### Flightcase for Ikarray-8

Heavy-duty flightcase for up to two Ikarray-8/15° or 5° line array elements. 4 Blue Wheels, 8 large folding handles and 4 stacking recesses in the lid. 9 mm wood with black and scratch-resistant surface, sturdy 35 x 35 mm edge profile with 2.5 mm material thickness and 5 mm outer radius and recessed rivet groove. Dimensions: 680 (h) x 800 (w) x 600 mm (d).



#### Flightcase for VENIA-6

Heavy-duty flightcase for up to two VENIA-6. 4 Blue Wheels, 2 large butterflies, 8 large folding handles and 4 stacking recesses in the lid. 9,5 mm wood with black and scratch-resistant surface, stable 35 x 35 mm edge profile with 2.5 mm material thickness and 5 mm outer radius and recessed rivet groove. Dimensions/Weight: 1.185 (h) x 585 (w) x 504 mm (d) / 47,2 kg.



#### Flightcase for VENIA-8

Heavy-duty flightcase for up to two VENIA-8 or two X-Tension kits. The VENIA-8 fits into the case with the handles and X-Tension mechanism mounted. 4 Blue Wheels, 2 large butterflies, 8 large folding handles and 4 stacking recesses in the lid. 9,5 mm wood with black and scratch-resistant surface, stable 35 x 35 mm edge profile with 2.5 mm material thickness and 5 mm outer radius and recessed rivet groove. Dimensions/Weight: 1.452 (h) x 585 (w) x 456 mm (d) / 50,0 kg.



#### Flightcase for CXN-16

Heavy-Duty Flightcase for two CXN-16 high performance monitors. 4 blue wheels, 4 large butterflies, 8 large folding handles. 9 mm Wood with black scratch-resistant surface. Stable 35 x 35 mm edge profile 2.5 mm thick, 5 mm outside radius.



#### Flightcase for Modular-15 / -12

Heavy-Duty Flightcase for up to two Modular-15/15sp with compartments for Easyfly mechanism, self-lock clamp and safety cable. 4 blue wheels, 4 large butterflies, 8 large folding handles. 9 mm Wood with black scratch-resistant surface. Stable 35 x 35 mm edge profile 2.5 mm thick, 5 mm outside radius. The Heavy-Duty Flightcase for up to two Modular-12 has the same design but is slightly smaller.



#### Flightcase for Modular-10

Heavy-Duty Flightcase for up to two Modular-10. With 2 x internal 90°rolls, 2 x large Butterflies, 2 x large folding handles, 7 mm wood with black and scratch-resistant surface, stable 35 x 35 mm edge profile with 2.5 mm thickness and 5 mm outer radius and recessed grooved rivet. Case can be run like a suitcase trolley.



#### Flightcase for Score-5

Heavy-duty flightcase for up to four Score-5 including mounted L-brackets. Extra compartment for various accessories, 4 Blue Wheels, 2 large butterflies, 8 large folding handles and 4 stacking recesses in the lid. 9 mm wood with black and scratch-resistant surface, stable 35 x 35 mm edge profile with 2.5 mm material thickness and 5 mm outer radius and recessed rivet groove.



#### Flightcase for LA-Stick 4x4

Heavy-Duty Flightcase for up to four LA-Sticks 4x4 included angle mechanism. 2 internal 90°rolls, 2 large Butterflies, 6 large folding handles, 7 mm wood with black and scratch-resistant surface, stable 35 x 35 mm edge profile with 2.5 mm thickness and 5 mm outer radius and recessed grooved rivet, truck pack size. Case can be run like a suitcase trolley.



#### Flightcase for Alea-4

Heavy-Duty Flightcase for up to four Alea-4 loudspeaker included mounted U-bracket, 9 mm wood with black and scratch-resistant surface, stable 35 x 35 mm edge profile with 2.5 mm thickness and 5 mm outer radius and recessed grooved rivet.



#### Detachable wheelboard for Subwoofer

Detachable wheelboard to mount on Subwoofers, 15 mm wood, stackable, 2 butterfly locks, 2 handles, 4 blue wheels, engraved logo. Available for Paveosub-218, Paveosub-118, Paveosub-112 and the respective self-powered version.



#### Castor set for Paveosub-218

Set of castors for fixed mounting on the back of the Paveosub-218/218sp, consisting of 4 x Blue Wheels 100 x 36 mm with brakes. Mounting screws are provided in the bass.

## Mounting



#### Spindle mechanics LA-Stick 4x4

The inclination angle can be externally fine-tuned via ball-bearing-mounted spindle mechanism. This very sturdy mechanism renders the bending joints in ball-lock-pin form on the front side of the loudspeaker unnecessary.



#### Tilt Adapter

Tilt adapter for connecting and aligning the speakers to each other instead of the spindle mechanics. The four adapters each have a fixed angle of 0°, 4° and 8° degrees and are attached with the speakers in the back existing M6 and M10 screws.



#### Inclinable Stand Adapter for LA-Stick 4x4

With this adapter you can attach speakers without built-in flange on stands or wall brackets and adjustable up to 30 ° in the tilt.



#### Wall holder for LA-Stick 4x4

Wallholder for LA-stick 4x4, for hanging on the M10 thread from the top. Alignment in both axes.



#### **Tent bracket**

This bracket is the ideal solution if you want to fly your speaker in a tent. It fits every standard tent profile up to 100 mm and is equipped with M10, M12 and M14 thread, on which you can mount our flight mechanics, hooks or clamps. Max. Load: 150 kg.



#### **Speaker ceiling mount for LA-Stick, Score-5, Modular-10**

Robust and useful loudspeaker ceiling mount with 250 mm distance and internal cable management. The swivel area is +/-45 °. Within the parameters - the settings range from 0 to 45°. Carrying capacity 25 kg.



#### **Tilt and swivel wall holder, small**

Stable wall holder with tilt and swivel orientation: 140° horizontal, 30° vertically adjustable. If the back fastened with two M6 screws on the speakers and is therefore discreet and elegant behind the speaker. 25 kg carrying capacity.



#### **Wall mount with extension**

Wall mount with extension (180° horizontal and 30° vertical adjustment) for parallel positioning. Max. Load capacity: 25 kg.



#### **Wall holder can be swiveled and tilted**

Wall holder with tilt and swivel orientation: 145° horizontal, 30° vertical. The inclination can be fixed in 6 steps. The distance to the wall can be selected in 3 steps. With receptacle for high stand flange. Holder is almost completely covered by the speaker. Max. Load capacity: 25 kg.



#### **Wall holder for hidden mounting**

There is also an elegantly concealed mounting option without the bracket for Alea-4 and Aleasub-10. The back cover plate of the loudspeaker is recessed into the box, giving a cavity behind which space is available for a wall mount and Phoenix connection terminals. The loudspeakers can be mounted on a small wall mount corner plate and secured with an inauspicious grub screw.



#### **Tilt and swivel wall holder, big**

Stable wall holder with tilt and swivel orientation: 180° horizontal, 22° vertical adjustable in 11 steps, expanding mandrel for play-free seating in the tripod base of the speaker. Carrying capacity 50 kg.



#### **Wall- and Trussholder**

Wall- and Trussholder with a joint and a tube clamp, circa 520 mm long. Load capacity 50 kg.



#### **Wall console for flight hardware**

Wall mount bracket made of steel with aluminium tube for hanging loudspeakers on walls by using truss clamps and loudspeaker-specific flying hardware. The outriggers of the wall bracket have a row of holes so that the truss clamps, which hold the aluminium tube, can be repositioned. This allows the distance between the speakers and the wall to be varied. All components are black powder-coated. Max. load 75 kg.



#### L-bracket Score-5

Multifunctional bracket for Score-5 speakers. The bracket is mounted on the back in seconds without tools. This is done vertically or horizontally by means of camlock connectors. With appropriate accessories, the speaker can be used on a tripod or flown upright and crosswise.



#### Truss clamp

With this traverse clamp you can easily and loosely mount your devices to all common traverses with 48-51mm strap tubes. The clamp impresses with its compact design, its lightness and the maximum tensile load of 100 kg. Locking screw M8 Wing nut and device screw M10.



#### Truss clamp with 50 mm width

With this traverse clamp you can easily and loosely mount your devices to all common traverses with 48-51 mm strap tubes. The clamp impresses with its compact design, its lightness and the maximum tensile load of 500 kg. Locking screw M8 Wing nut and device screw M10. Width: 50 mm.



#### Truss clamp adapter for Score-5

Crosshead clamp adapter is specially designed for the multifunctional bracket of Score-5 speakers. In combination with the traverse clamp, the multi-function clamp can be tilted forward or backward continuously.



#### Tripod transducer for L-bracket Score-5

The tripod transducer is suitable for all common speaker stands with  $\varnothing$  35 mm. With threaded pin M10 x 12 mm and large clamping screw for locking on the stand. Can be mounted on the crosshead clamps Adapter of the multi-function bracket of the Score-5 speakers.



#### Score-5 suspension arrangement

The Score-5 can be suspended from high heights by means of chains or steel cables and aligned vertically using the suspension device and a rear-mounted crossbar clamp. In conjunction with the Universal Suspension Device for Flight Mechanics, horizontal alignment is also possible.



#### Score-5 C-bracket

Stable swivel bracket for horizontal and vertical mounting on walls or ceilings. The bracket is attached to the rear M6 mounting points.



#### C-bracket for Score-8 and Modular-Serie

Stable swivel bracket for vertical or horizontal installation on trusses, walls and ceiling. 2 x M10 hexagon head screws included in delivery.



#### C-Bügel für VENIA-6 und VENIA-8

Stable swivel bracket for vertical installation on trusses and walls. 2 x M10 hexagon head screws included in delivery.



#### U-mounting bracket LA-Stick

Stable swivel bracket for installation on trusses and ceiling. Is also used by several LA sticks to mount directly to a subwoofer without spacer bar.



#### U-mounting bracket Alea-4 and Aleasub-10

The stable swivel bracket guarantees exact alignment with the listener arena and a secure stand on stage or in fix mounting on trusses, walls and ceilings.



#### Universal joint with thread adapter for Alea-4

The universal joint can be mounted on the speaker stand and allows you an even wider range of orientations.



#### Quick-Mounting adapter for Alea-4

Quick coupling for easy replacement of the Alea-4 with U-bracket. The tongue and groove mechanism with hexagonal flange ensures a firm connection and controlled alignment of the Alea-4 on the speaker stand.



#### Handhold Aleasub-10

Carry handle for mounting on the rear panel of the Aleasub-10.



#### Flight mechanics for Ikarray-8 with tripod option and extension

For flight and tripod operation, it can be mounted at the top or bottom without tools. A U-bracket with threaded spindle for finer adjustment of the angle of inclination in tripod operation is optionally available, as is an extension of the flight mechanism for hanging on high ceilings.



#### Ground Stacking Adapter for Ikarray-8 flight mechanics

Mounting plate for the Ikarray-8 flight mechanics. The Ground Stacking Adapter is mounted on the M20 flange of a subwoofer. Optional extension of the flight mechanics to operate the Ikarray-8 Line Array stacked on subwoofers.



#### Easyfly-Mechanics for Modular-10, -12, -15, CXN-16, Ikarray-12 single unit

Toolless flight-mechanics for clicking and exact alignment of the speaker in the horizontal and vertical axis. Mounting on trusses by means of an optional self-lock clamp or direct mounting on ceilings.



#### Fly-Mechanics for LA-Stick 4x4

Toolless flight mechanics for exact alignment of the La-Stick in the horizontal and vertical axis. Mounting on trusses by means of an optional self-lock clamp or direct mounting on ceilings.



#### Universal suspension arrangement for flight mechanics

For mounting the Easyfly- and the flight-mechanism of the LA-Stick 4x4 by chains on very high ceilings, where a mounting with heavy duty anchors is not possible. U-bracket of the flight mechanics is not included.



#### Headstacking flying equipment for VENIA-Series

The headstacking flight equipment is attached to the side walls of the VENIA column line arrays by means of existing countersunk screws. With receptacle for EasyFly mechanism, ring eyes and self-lock hook.



#### Headstacking connector for VENIA series

Headstacking connector in set of 4. Fits both VENIA column line arrays. For connecting two VENIAs in headstacking.



#### Multifunctional rotating ceiling bracket

For hanging speakers from ceilings using steel cables or chains and various accessories. Horizontal alignment due to central pivot axis. Max. load: 60 kg.



#### Rotating double pipe clamp with aluminum pipe

This construction allows you to mount two speakers of the Modular Series in a horizontal array and align them horizontally through the rotation axis of the double clamp.



#### Double-Stud Fitting

For suspending the loudspeaker without the Easyfly mechanics. Alignment by chains.



#### Single-Stud

Single stud for securing a loudspeaker with safety cable. Clicking in the back of the flight rail from the loudspeaker.



#### Self-lock clamp

The speakers can thus be flown by one person, a hook equal to the truss and can be easily tighten. 250 kg load capacity, with self-locking M10 screw.



#### Safety 6/1000

1 m safety cable 6 mm Ø for securing a suspended loudspeaker. One side with a quick link.



#### Screwable quick connect

Screwable quick connect member for e.g. single and double stud fittings or safetys.

## Stands and Rods



#### Speaker stand with round base for Alea-4

Elegant speaker stand with narrow tube and round base for Alea-4 loudspeaker. The tripod is adjustable in height from 1 to 1.7 m and is available in black or white.



#### Speaker stand crank

Stable speaker stand for cranks with 50 kg load capacity and double protection against falling. Height: 139 to 218 cm.



#### Speaker stand

Stable speaker stand for extraction with 50 kg load capacity, double protection against falling. Expanding mandrel system which provides a tight and firm fit for the speaker. Height: 132 to 220 cm.



#### Speaker rod crank for M20 flange

Speaker rod crank with 50 kg load capacity and expanding mandrel system for play-free seating in the tripod base of the speaker. Height: 92 to 152 cm.



#### Speaker rod for M20 flange

Speaker rod with 35 kg load capacity and expanding mandrel system for play-free seating in the tripod base of the speaker. Height: 110 to 180 cm.



#### Stand fork

Stand fork for two loudspeakers, for tube diameter of 35 mm.



#### TV pin

TV pin 28 mm for mounting on TS-212 U-bracket. When frequent changes between flight and tripod use needs to be vice screwed on TS-212 U-bracket no hardware. The TV pin can be used to flight operation in a matter of seconds in the „TV pin self-lock clamp“ and tripod use in the „TV pin stand adapter“ are inserted.



#### **Tv-pin stand adapter**

Adapter for a 28 mm tv pin on a 35 mm speaker stand.



#### **Adapter with expanding mandrel systems for speaker stand with crank**

Adapter with expanding mandrel systems to be placed on speaker stand for cranks, for play-free seating in the tripod base of the speaker.



#### **M20 Adapter**

Thread adapter with Female thread M20 x 1,25 mm and Male thread M20. To use the speaker stand with the M20 flange of Voice-Acoustic subwoofer.



#### **Flange adapter for handles**

Flange adapter for handles with M10 female thread to M20 male thread. For LA stick 4x4 in conjunction with an upended Paveosub-112/112sp.



#### **Iron base 55 cm**

55 cm iron base for M20 distance rods. Elegant base with intergrated handle and cable managemnet. Weight: 13,5 kg. Also available in 48 cm / 10 kg



#### **Carrying bag for Iron base 55 cm**

Robust carrying bag for Iron base 55 cm. With zipper and cushioned handle. Tear-resistant nylon material. Also available for 48 cm.



#### **Plate base with weight plate**

Plate base 45 cm with weight plate for spacer rods with M20 screw thread. Total weight 15 kg for highest stability.



#### **Carrying bag for 45 cm plate base**

Carrying bag with space for the foot of the plate with weight plate made of robust, water-repellent nylon. It has two straps with soft Velcro handle, a sturdy zipper and a transparent window for labels.



#### **Multifunctional steel floor plate**

Solid steel base plate in elegant shape. 78 x 78 cm with two M20 flanges for mounting the VENIA X-Tension or two distance rods for e.g. one loudspeaker and one longer light distance rod. 5 x rear countersinks for mounting half-cone truss screw-on connectors to accommodate 3- or 4-point truss. Base plate has 4 floor-saving rubber feet that must be unscrewed when using heavy loads with trusses to prevent the plate from flexing. Large handles allow two hands to grasp each handle cutout. Weight 41.5 kg.





#### **Carrying bag for Multifunctional steel floor plate**

Sturdy bag made of water-repellent Codura fabric, with space for a multi-function steel base plate 78 x 78 cm. The bag has a padded carrying handle and two handle cutouts. Zippers have not been used because they could be damaged by their own weight when the plate is put down. Instead, the bag is closed with large Velcro fasteners.



#### **Carrying bag for 2 x speaker stand/speaker rod**

Carrying bag for two speaker stands or distance rods with crank. Two inside compartments with zipper and sturdy handles. Material waterproof nylon.



#### **Carrying bag for 2 x telescopic distance rods**

Extremely robust, padded carrying bag for two telescopic distance rods without crank, with two carrying straps and zippers. The padded partition wall protects the two distance rods from scratching. The floor and all load points are reinforced. Made of easy-care water-repellent nylon.



#### **Carrying bag for Alea-4 stands with round base**

Carrying bag for up to three Alea-4 stands with a narrow tube, including round base Ø 275 mm. Three inside compartments with draw-string closure and sturdy handles. Material waterproof nylon.

## **Cable**



#### **XLR signal cable 0,5/3/6/10/15/20/30/50 m**

XLR signal cable in different lengths with Neutrik connectors NC3FXX-B and B-NC3MXX, black housing and gold-plated contacts. Large wire diameter of 2 x 0,5 sq mm with 28 x 0.15 sq mm copper per core, 100 % shielding due to dense copper spiral turner and metallised fleece.



#### **Speakon 0.5/1/3/6/10/15/20/30 m**

Speakon cables in various lengths with Neutrik plug NL4FX. 4 x 4 sq mm, each wire 224 x 0.15 copper, diameter 11 mm, weight 273 g / m. Assembled with some pressed ferrules for maximum contact area and minimal contact resistance.



#### **HDSP-Speakon-Bridge**

Adapter for the HDSP-3 amplifier. For simple cabling of an L/R installation with one subwoofer and top per side.



#### **Speakonadapter**

Speakonadapter to connect two speaker cables.



#### **Phoenix Contact**

Phoenix Contact 4 pol. for connecting the Alea-4 and Aleasub-10 model, as an alternative to the Neutrik NL4 Speakon IN/OUT, for example, for concealed wall mounting.



#### Cable clamp for 35 mm Ø speaker stands

The clamp is simply clicked on the spacer rod or stand. The cables can be routed down wonderfully and absolutely cleanly. Perfect optics and gala suitability are thus guaranteed immediately.



#### powerCON TRUE1-Schuko 3/6/10/15/20/30/50 m

Titanex H07RN-F 3 x 2.5 sq mm cable in various lengths. The special jacket surface assumes little dirt and is easy to clean. Even cold nor flexible. Assembled with some pressed ferrules for maximum contact area and minimal contact resistance. With Neutrik powerCON TRUE1 - NAC3FX-W and Schuko device connectors.



#### powerCON TRUE1 -TRUE1 3/6/10/15/20/30/50 m

Titanex H07RN-F 3 x 2.5 sq mm cable in various lengths. The special jacket surface assumes little dirt and is easy to clean. Even cold nor flexible. Assembled with some pressed ferrules for maximum contact area and minimal contact resistance. With Neutrik powerCON TRUE1 - NAC3FX-W and NAC3MX-W device connectors.

## Other



#### Aluminum bracket handle

Bracket handle with screw set for VENIA-6 and VENIA-8. Can be mounted horizontally and vertically at any position on the back panel. The VENIA Heavy-Duty Flightcases and Carrying bags can be used with mounted bracket handles. Height 4.9 cm, length 11.2 cm, width 2 cm, weight 0.077 kg.



#### 1.4" Horn 60° x 40° or 90° x 60° for Modular-15

1.4" removable horn with 60° x 40° or 90° x 60° radiation, rotated at 40° x 60° or 60° x 90°. Stable cast aluminium thus not cancel the driver unit possible. Through the bi-amping concept can select the appropriate preset for different horns and change at any time in the HDSP amplifiers and self-powered subwoofers.



#### 1.4" Driver unit 60° x 40° or 90° x 60° for Modular-15

1.4" removable horn and high-frequency driver with 60° x 40° or 90° x 60° radiation. Saves in frequent changes of horns dismantling the high-frequency driver.



#### 1.4" Horn 60° x 40° or 90° x 40° for Score-8

1.4" removable horn with 60° x 40° radiation, rotated at 40° x 60° or with 90° x 40° radiation, rotated at 40° x 90°. Stable cast aluminium thus not cancel the driver unit possible.

# Application examples

## Modular-Series



Universal suspension arrangement for flight mechanics



Easyfly-Mechanics with self-lock clamp



Wall- and Trussholder



Tilt and swivel wall holder, big

Speaker ceiling mount



Rotating double pipe clamp with aluminum pipe



# LA-Stick 4x4



Speaker ceiling mount



Truss clamp

Tilt Adapter for LA-Stick 4x4



Wall holder for LA-Stick 4x4



Spindle mechanics LA-Stick 4x4

Inclined Stand Adapter



Wall- and Trussholder



Truss clamp

Universal suspension arrangement for flight mechanics



Self-lock clamp

Fly-Mechanics for LA-Stick 4x4



Tilt and swivel wall holder, small



U-mounting bracket LA-Stick

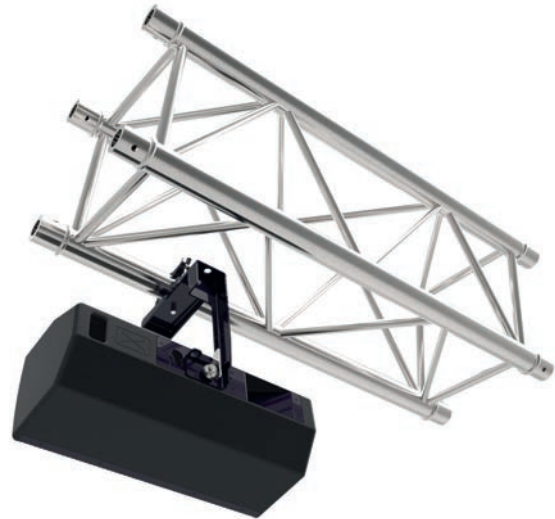


Tilt and swivel wall holder, big

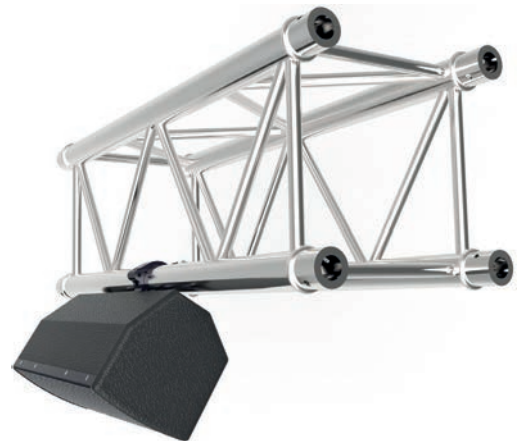
# Score-5



L-bracket for Score-5 with Truss clamp and adapter



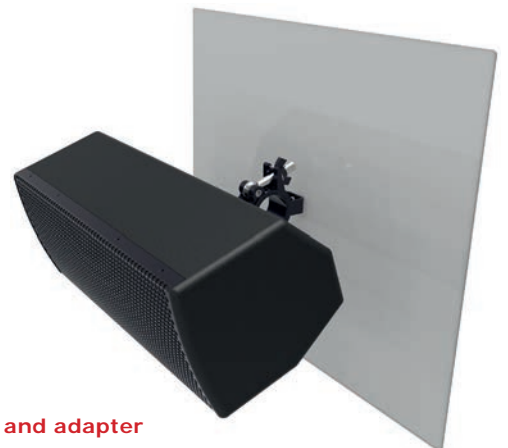
C-bracket for wall mounting



Direct mounting with truss clamp



Direct mounting with Truss clamp and adapter





Truss clamp with eyelet

Score-5 suspension arrangement

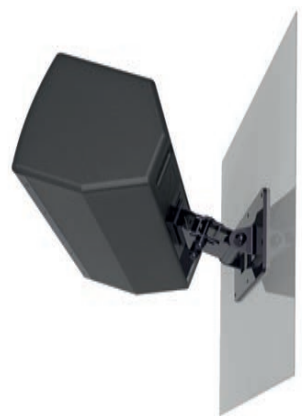


Universal suspension arrangement for flight mechanics

L-bracket with Truss clamp and adapter



L-bracket Set



Tilt and swivel wall holder, small





# Score-8



Multifunctional rotating ceiling bracket



U-bracket



C-bracket



Wall console for flight hardware



Easyfly-Mechanics



C-bracket



Universal suspension arrangement for flight mechanics



L-bracket with Truss clamp and adapter



Wall mount with extension



L-bracket with Truss clamp

# CXN-16



Easyfly-Mechanics with self-lock clamp



On stand or distance rod



Wall- and Trussholder



As a high performance monitor

# I karray-8



Self-lock clamp and  
Toolless flight mechanics

Universal suspension arrangement  
with flight mechanics



Flight mechanics with  
tripod option



Flight mechanics with  
ground stacking adapter

# VENIA-Series



Headstacking flying equipment with Easyfly-mechanics

Headstacking connector



Wall console for flight hardware



X-Tension Kit



Multifunctional steel floor plate



U-bracket

Hand lever

Selbsthaltende Traversenschelle



C-bracket



# Alea-4 & Aleasub-10



Wall holder for hidden mounting - Alea-4 and Aleasub-10



U-mounting bracket - Alea-4 und Aleasub-10

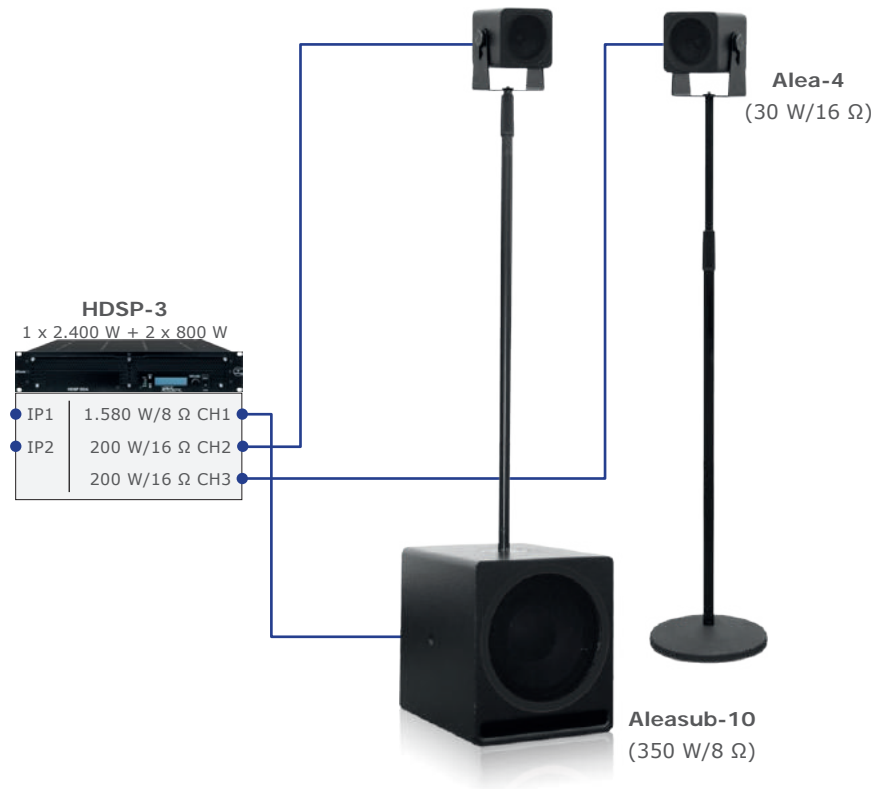


# Systems

## Aleasub-10 Media Set

### Plug & Play Satellite System

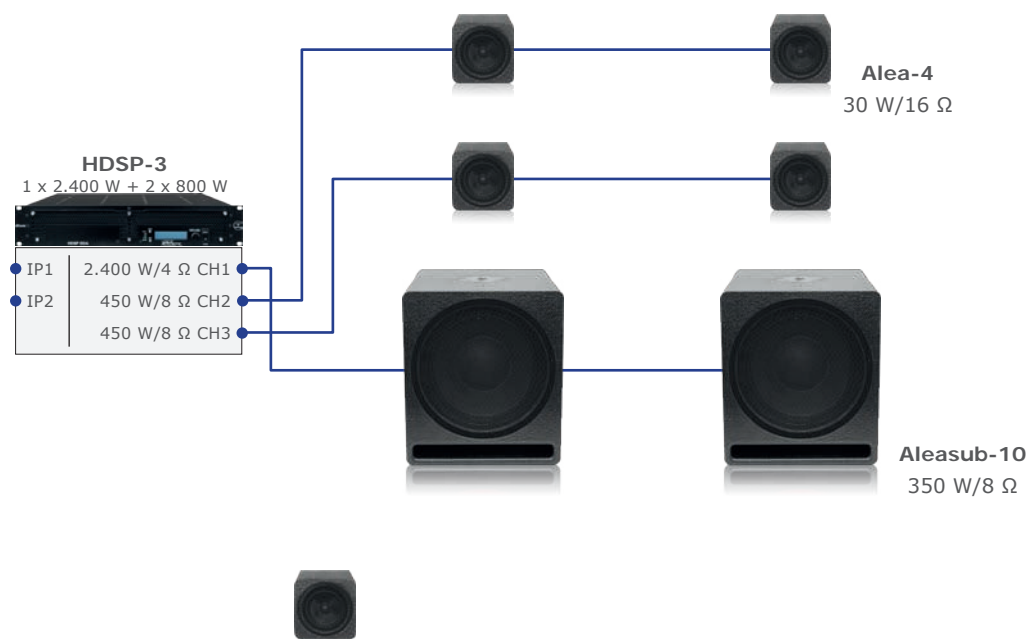
- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Alea-4 with u-bracket
- 1 x Aleasub-10
- 2 x Alea-4 stand with round base 27,5 cm, 3,4 kg, high 1.000 - 1.700 mm
- 1 x Reducing thread M20 x 1.25 mm for Alea-4 stand
- 2 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)



## Aleasub-10 Install Set

### Plug & Play Satellite System

- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 4 x Alea-4 with u-bracket (max. 8 piece)
- 2 x Aleasub-10

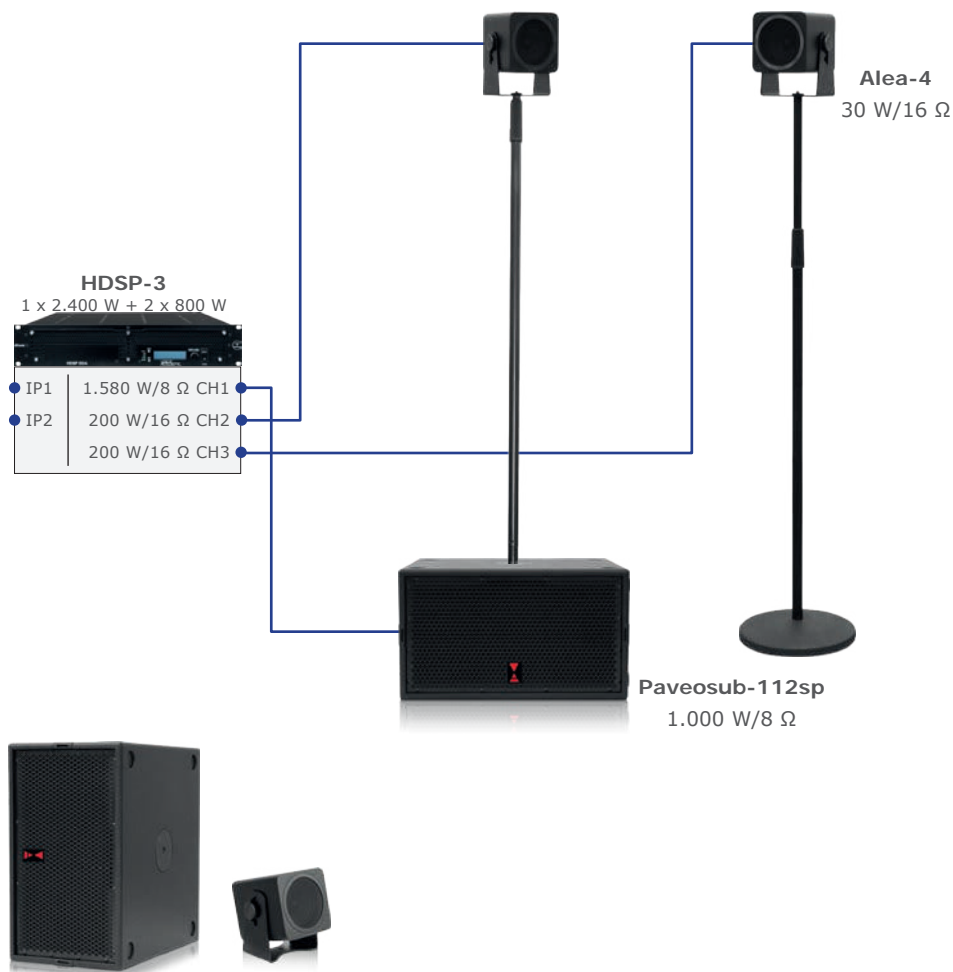


The set could be extended by 4 x Alea-4 if needed.

## SubSat-4 Set

### Plug & Play Satellite System

- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Alea-4 with u-bracket
- 1 x Paveosub-112 with detachable front-wheel board, transport cover
- 2 x Alea-4 stand with round base 27,5 cm, 3,4 kg, high 1.000 - 1.700 mm
- 1 x Reducing thread M20 x 1.25 mm for Alea-4 stand
- 1 x Carrying bag for 3 x Alea-4 stand with round base
- 2 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)



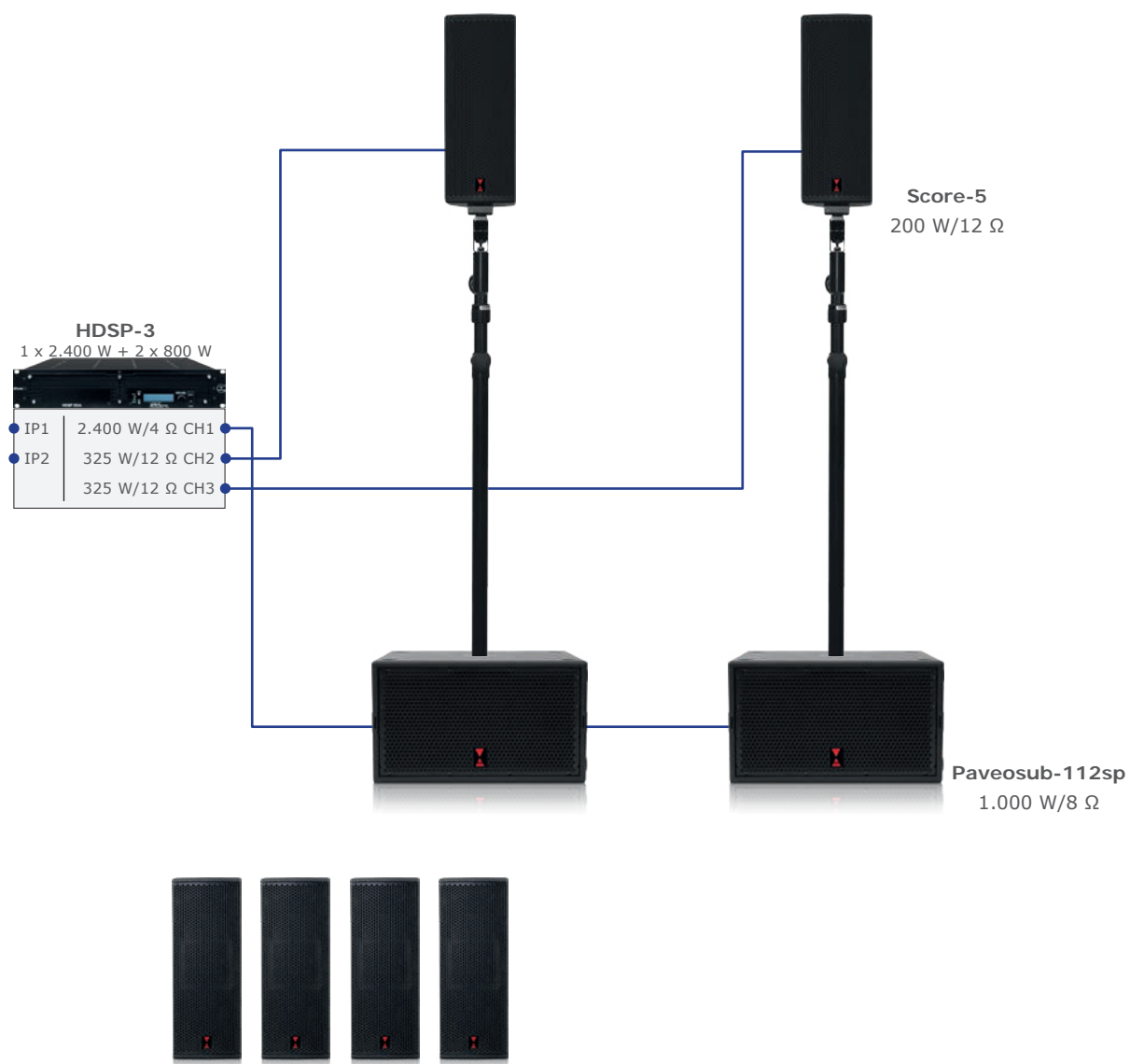
The set could be extended by 1 x Paveosub-112 and 6 x Alea-4.



## Score-5 Set

### Plug & Play Satellite System

- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Score-5
- 2 x L-bracket Set for Score-5
- 1 x Carrying bag for up to 2 x Score-5
- 2 x Paveosub-112 with detachable front-wheel board, transport cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)

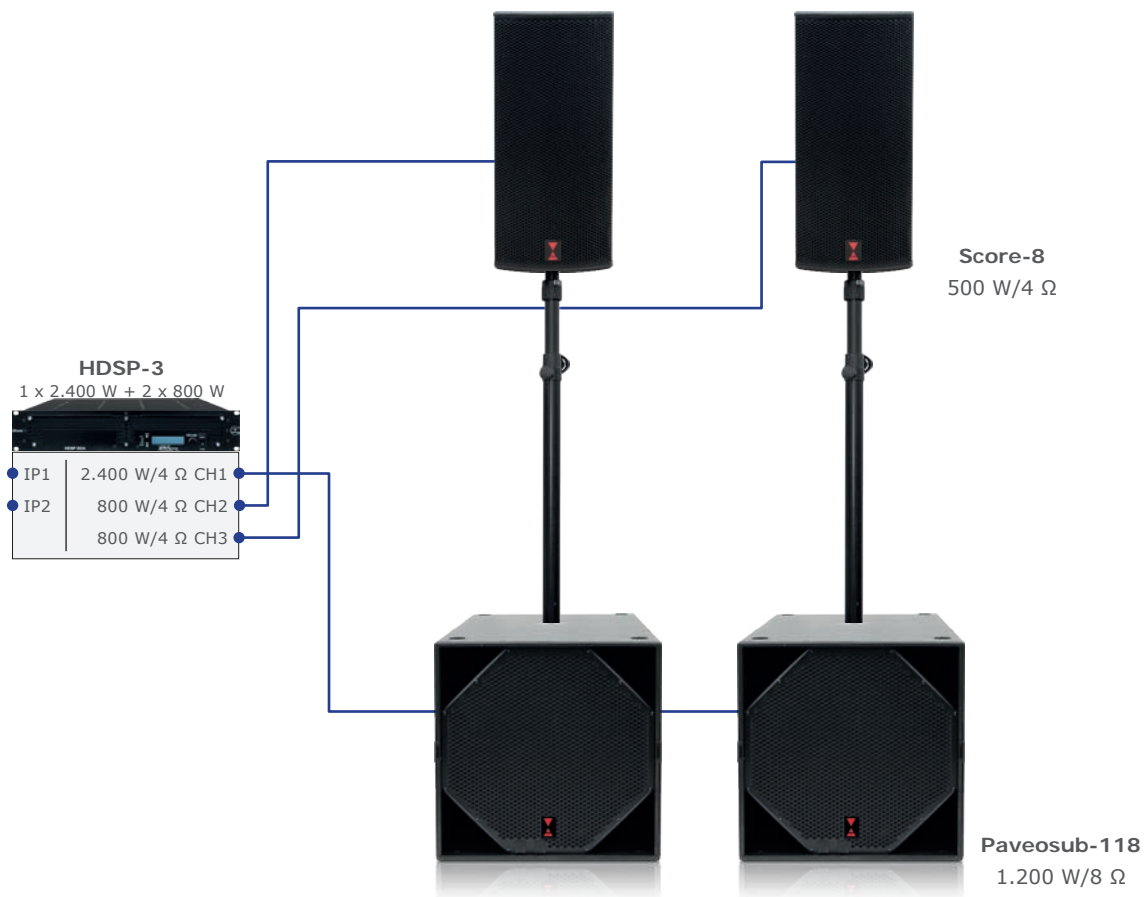


The set could be extended by 4 x Score-5 if needed.

## Score-8 Set basic

### Plug & Play Satellite System

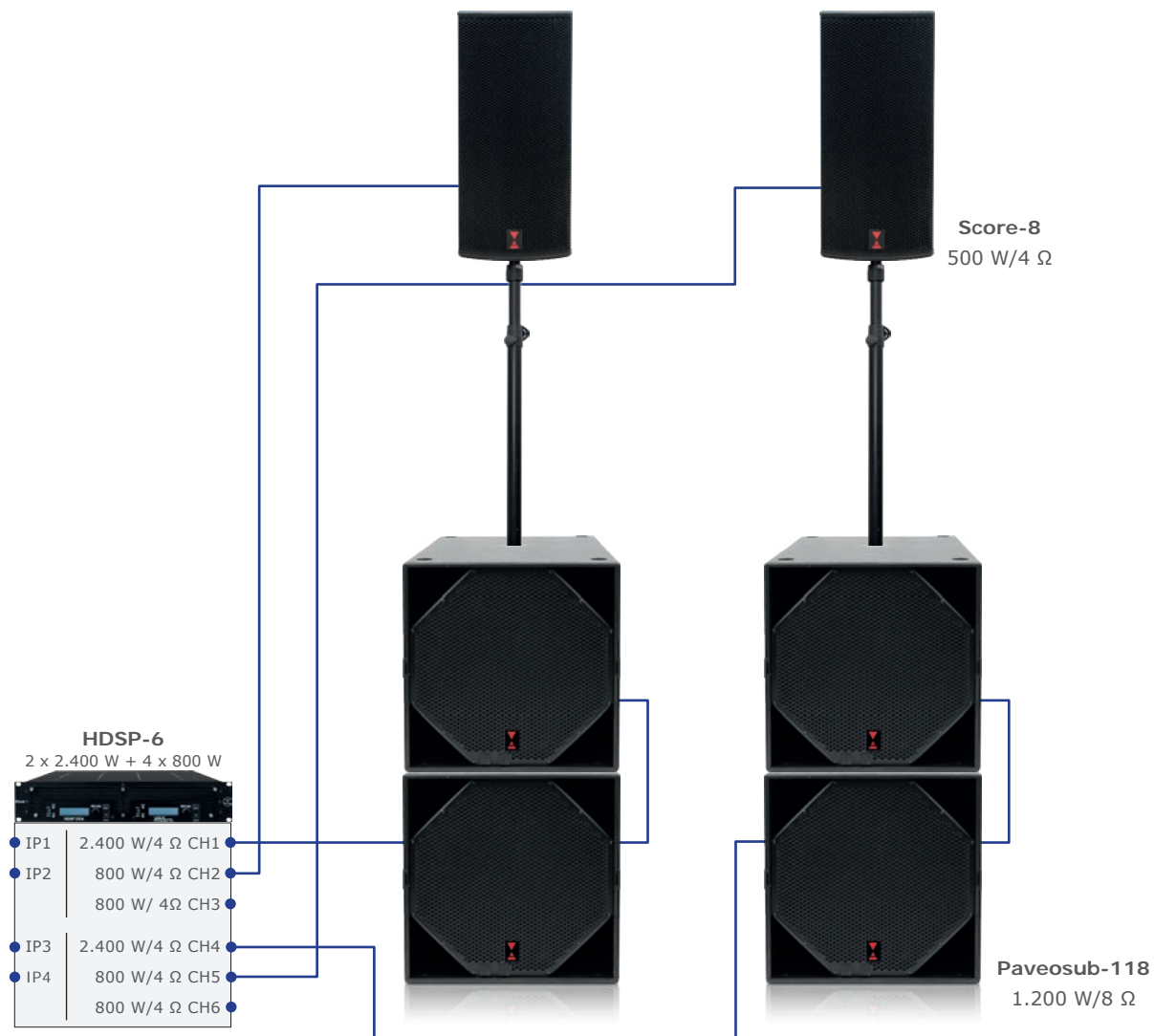
- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Score-8 with rotatable horn 90° x 40°, transport & rain cover
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## Score-8 Set

### Plug & Play Satellite System

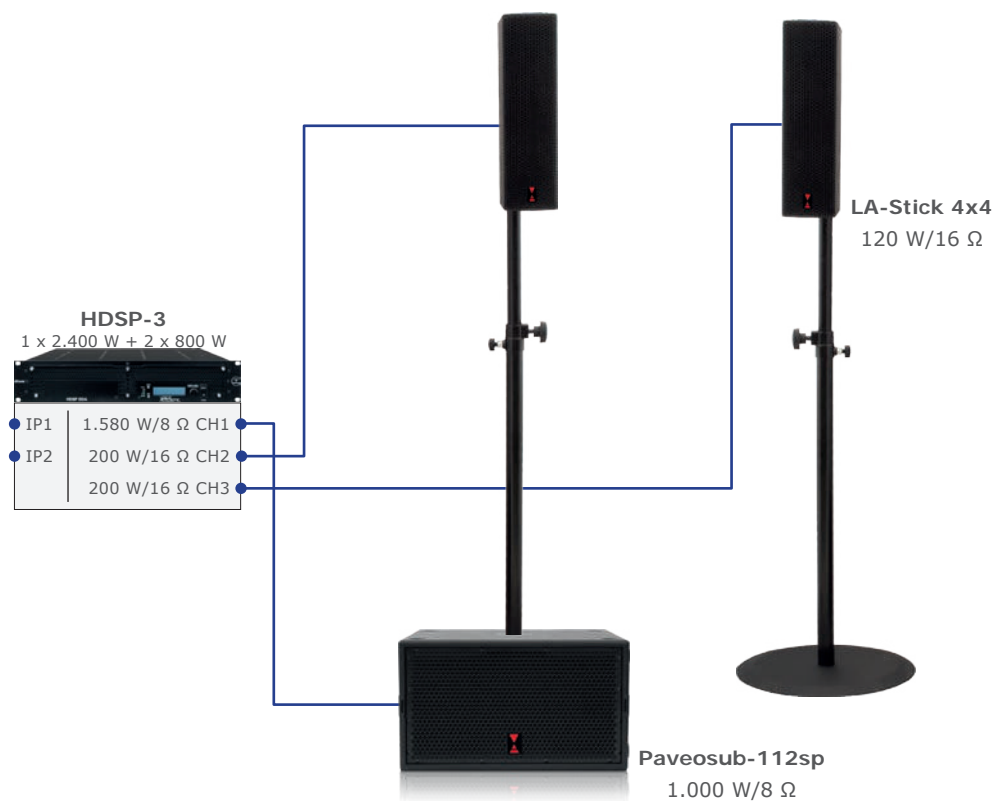
- 1 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Score-8 with rotatable horn 90° x 40°, transport & rain cover
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-LA Set basic

### Plug & Play Satellite System

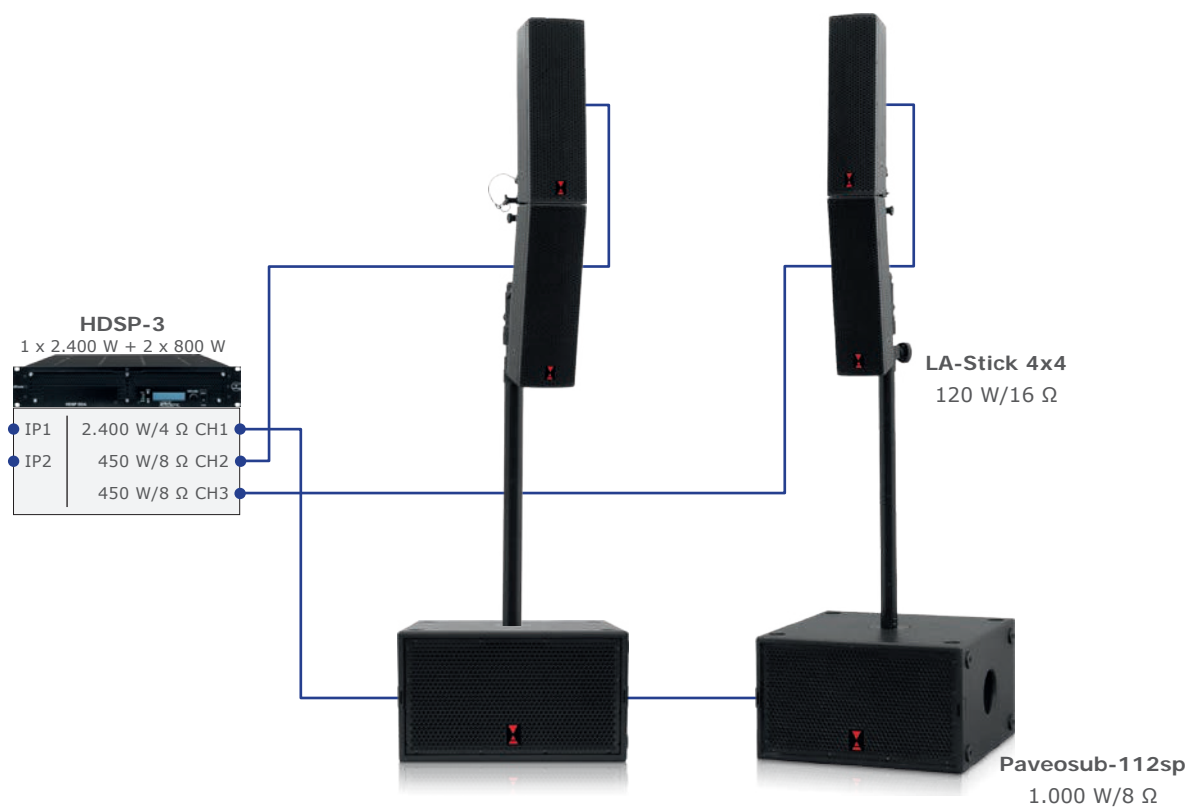
- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x LA-Stick 4x4
- 1 x Carrying bag for up to 2 x LA-Stick 4x4
- 1 x Paveosub-112 with detachable front-wheel board, transport cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x Plate base 45 cm with weight plate
- 1 x Carrying bag for 45 cm plate base
- 2 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-LA Set

### Plug & Play Satellite System

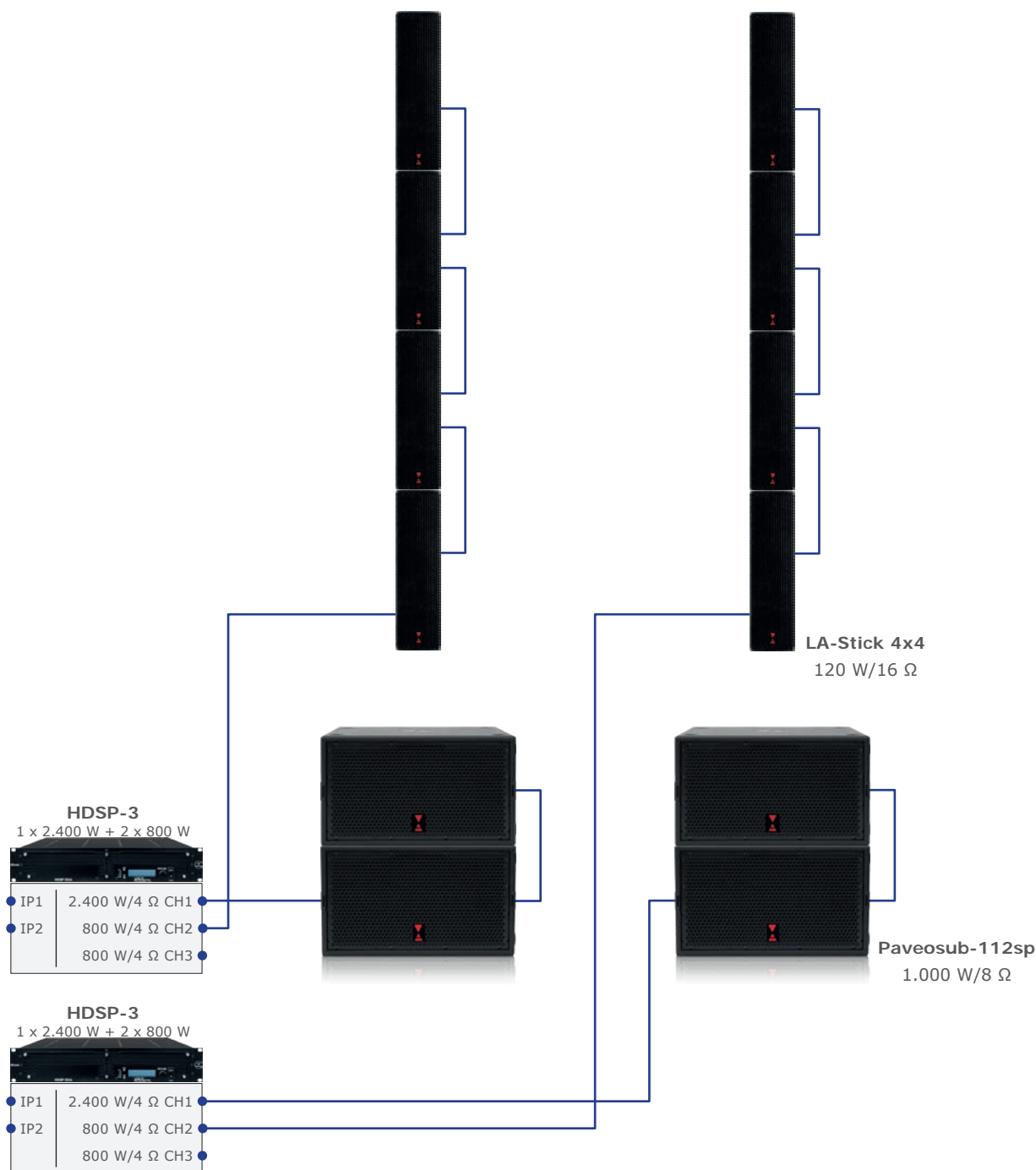
- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 4 x LA-Stick 4x4
- 2 x Carrying bag for up to 2 x LA-Stick 4x4
- 2 x Spindle mechanics for LA-Stick 4x4
- 2 x Inclinal Stand Adapter
- 2 x Paveosub-112 with detachable front-wheel board, transport cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)
- 2 x 0,55 m Speakon cable (2 x 2,5 qmm)



## SubSat-LA Set large-size

### Plug & Play Satellite System

- 2 x HDSP-3 or 1 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 8 x LA-Stick 4x4
- 4 x Carrying bag for up to 2 x LA-Stick 4x4
- 6 x Spindle mechanics for LA-Stick 4x4
- 2 x Flight mechanics for LA-Stick 4x4
- 4 x Pavesub-112 with detachable front-wheel board, transport cover
- 4 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)
- 6 x 0,55 m Speakon cable (2 x 2,5 qmm)

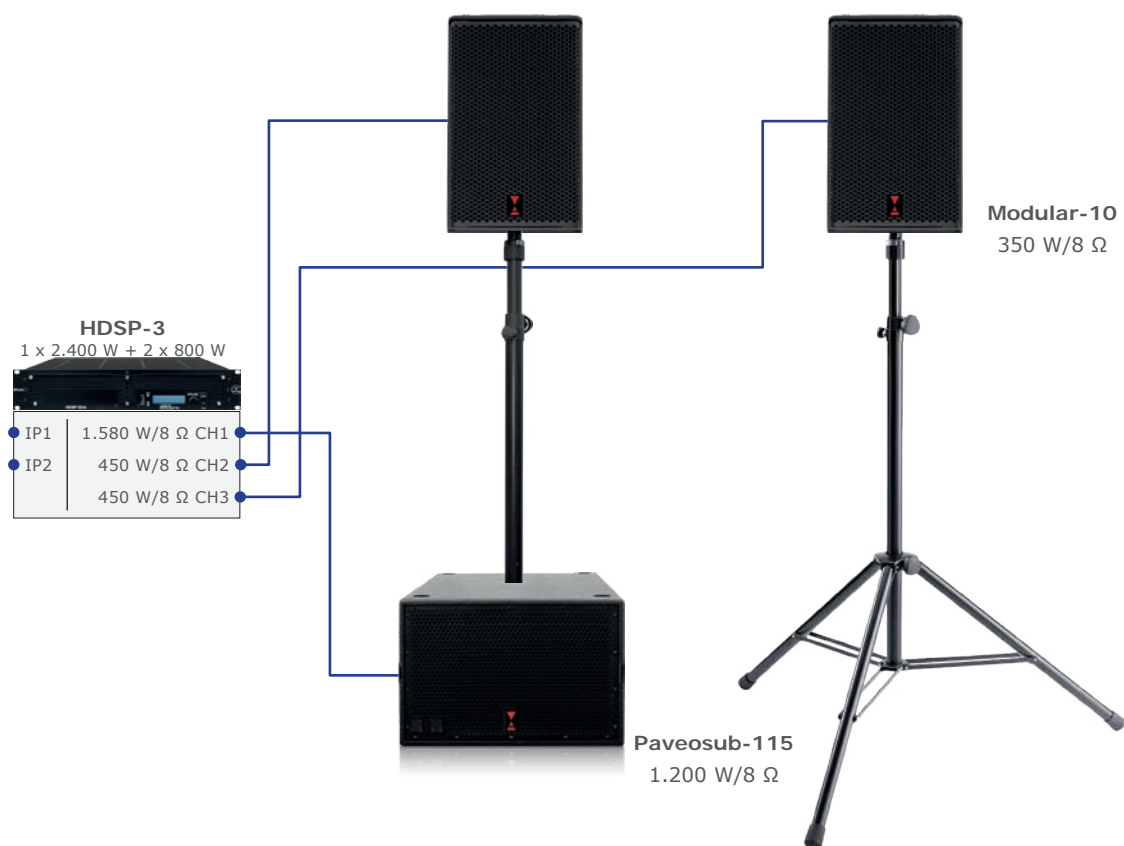


There are still 2 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills or monitoring.

## SubSat-10 Set basic

### Plug & Play Satellite System

- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Modular-10 with rotatable horn 90° x 40°, transport & rain cover
- 1 x Paveosub-115 with detachable front-wheel board, transport & rain cover
- 1 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Speaker stand with »Ring Lock«
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)

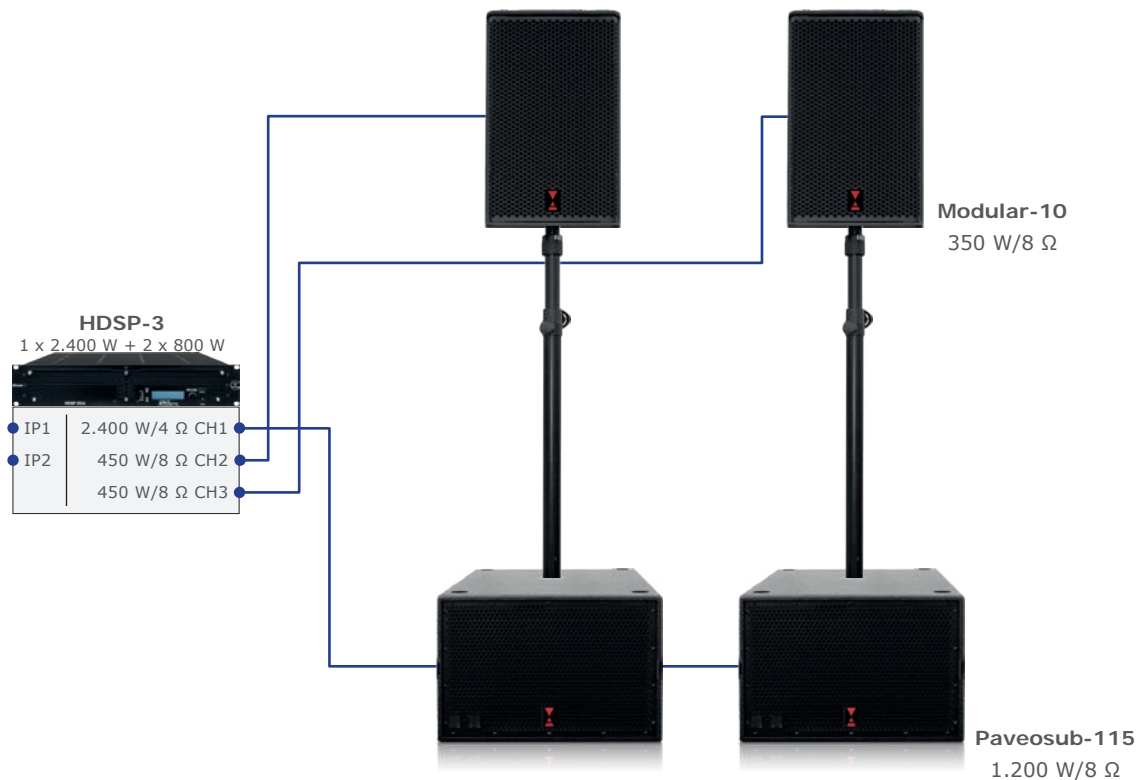


If required, the set could be extended by 2 x Modular-10 and a Paveosub-115.

## SubSat-10 Set

### Plug & Play Satellite System

- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Modular-10 with rotatable horn 90° x 40°, transport & rain cover
- 2 x Paveosub-115 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



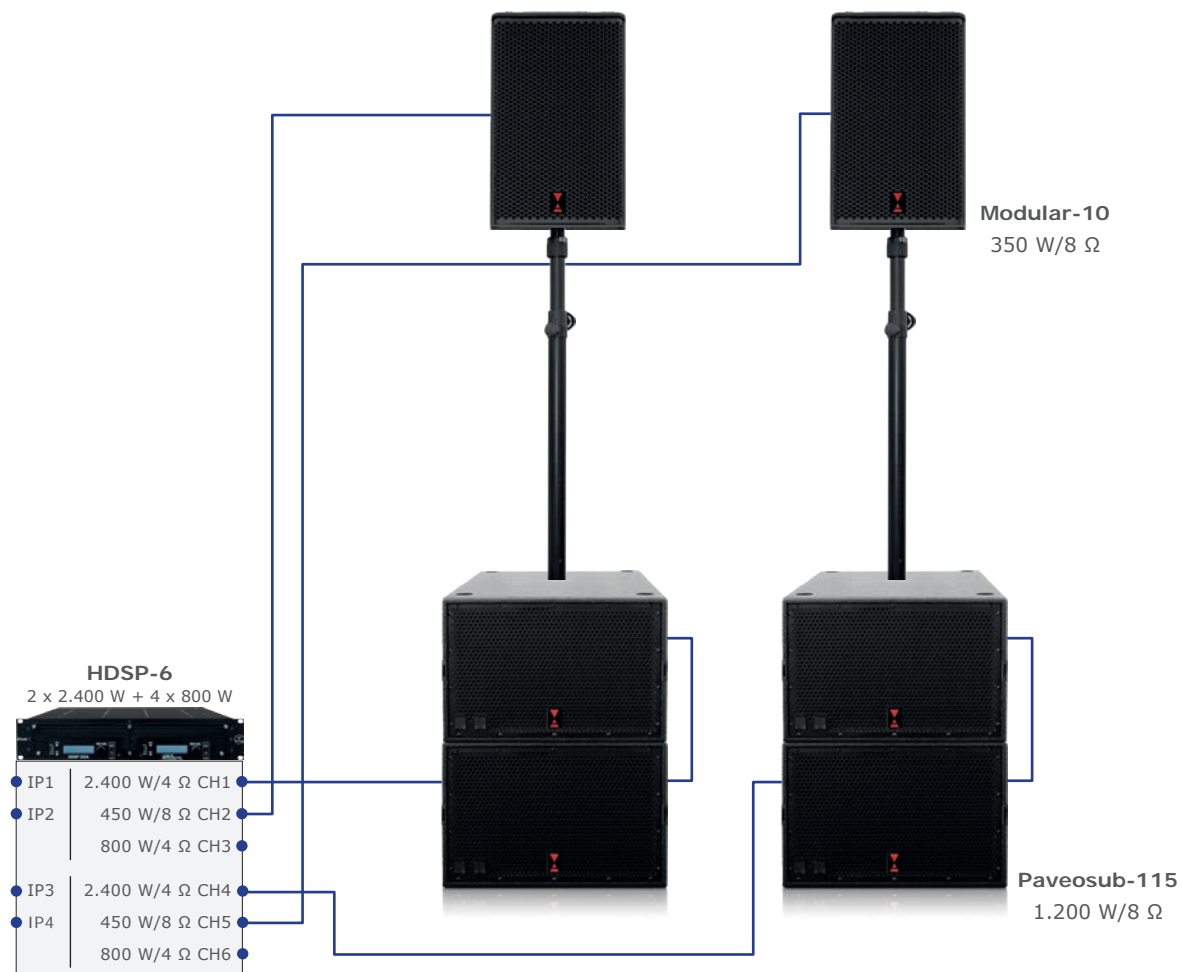
The set could be extended by 2 x Modular-10 if required.



## SubSat-10 Set large-size

### Plug & Play Satellite System

- 1 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Modular-10 with rotatable horn 90° x 40°, transport & rain cover
- 4 x Paveosub-115 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 4 x 3 m Speakon cable (4 x 4 qmm)

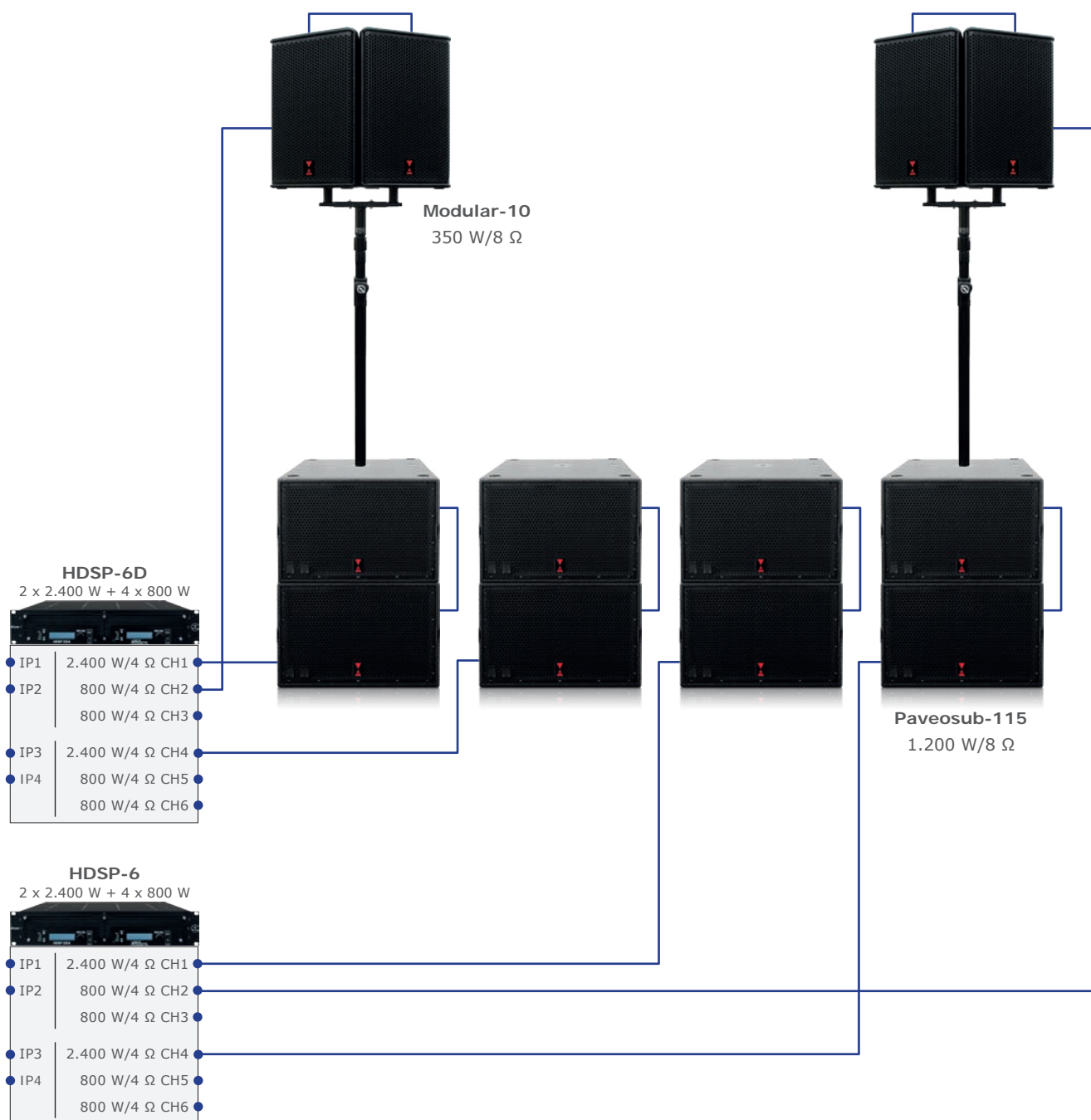


The set could be extended by 6 x Modular-10 if required.

## SubSat-10 Set double large-size

### Plug & Play Satellite System

- 2 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 4 x Modular-10 with rotatable horn 90° x 40°, transport & rain cover
- 8 x Paveosub-115 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock« with a hand crank
- 2 x Speaker stands for k\*
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 10 m, 8 x 3 m Speakon cable (4 x 4 qmm)

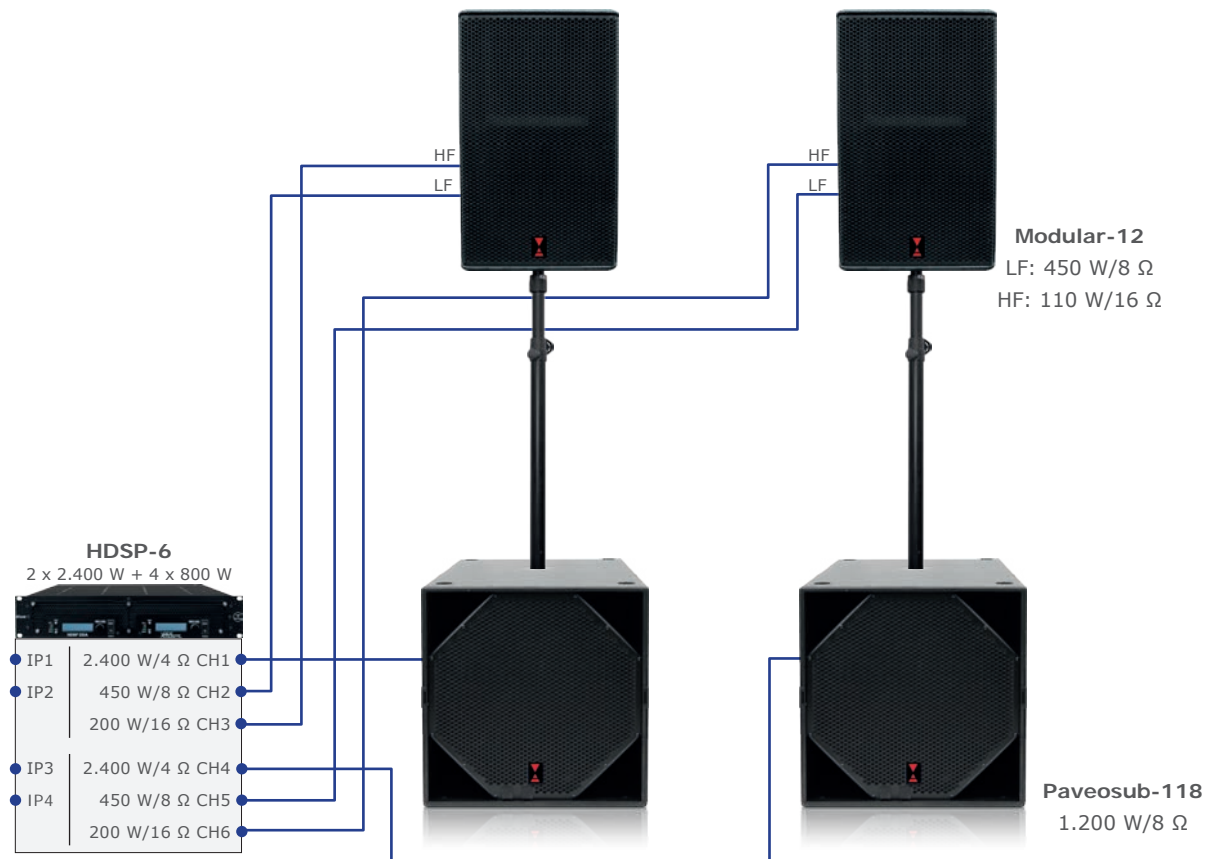


The set could be extended by 12 x Modular-10 if required.

## SubSat-12 Set basic

### Plug & Play Sound System

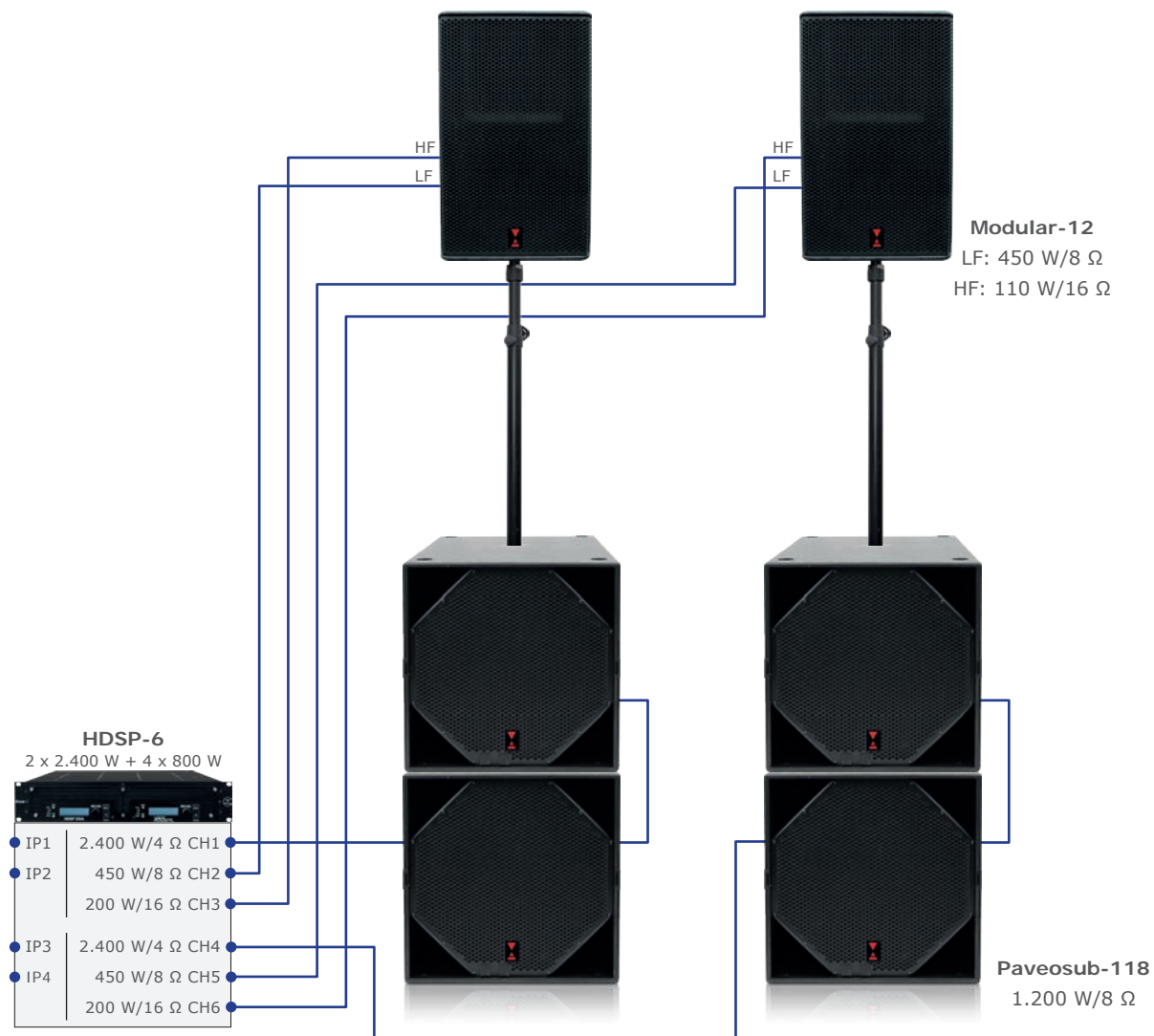
- 1 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Modular-12 bi-amping with horn 90° x 60°, transport & rain cover
- 2 x Pavesub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 4 x 10 m Speakon cable (4 x 4 qmm)



## SubSat-12 Set

### Plug & Play Sound System

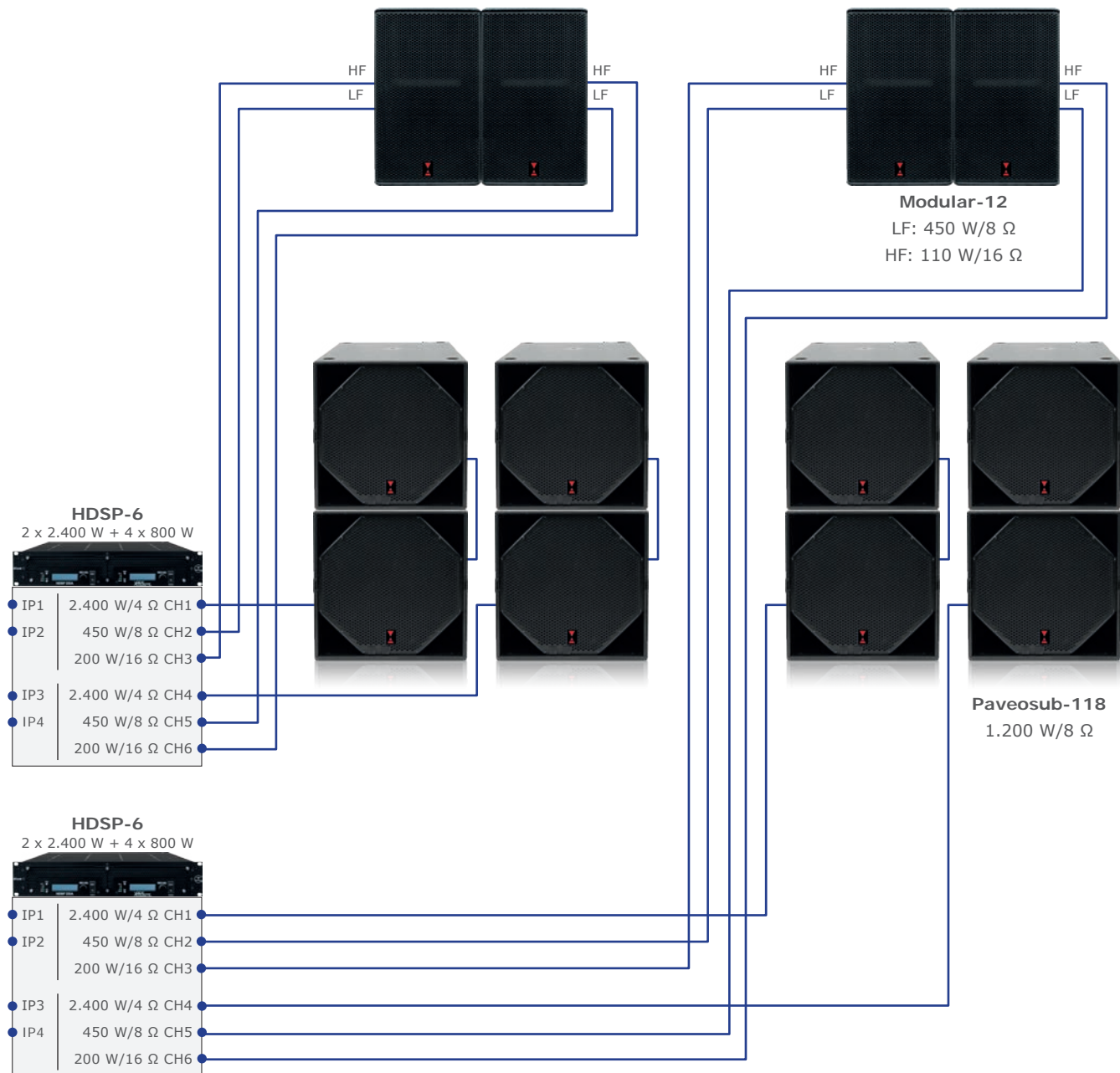
- 1 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Modular-12 bi-amping with horn 90° x 60°, transport & rain cover
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 4 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-12 Set large-size

### Plug & Play Satellite System

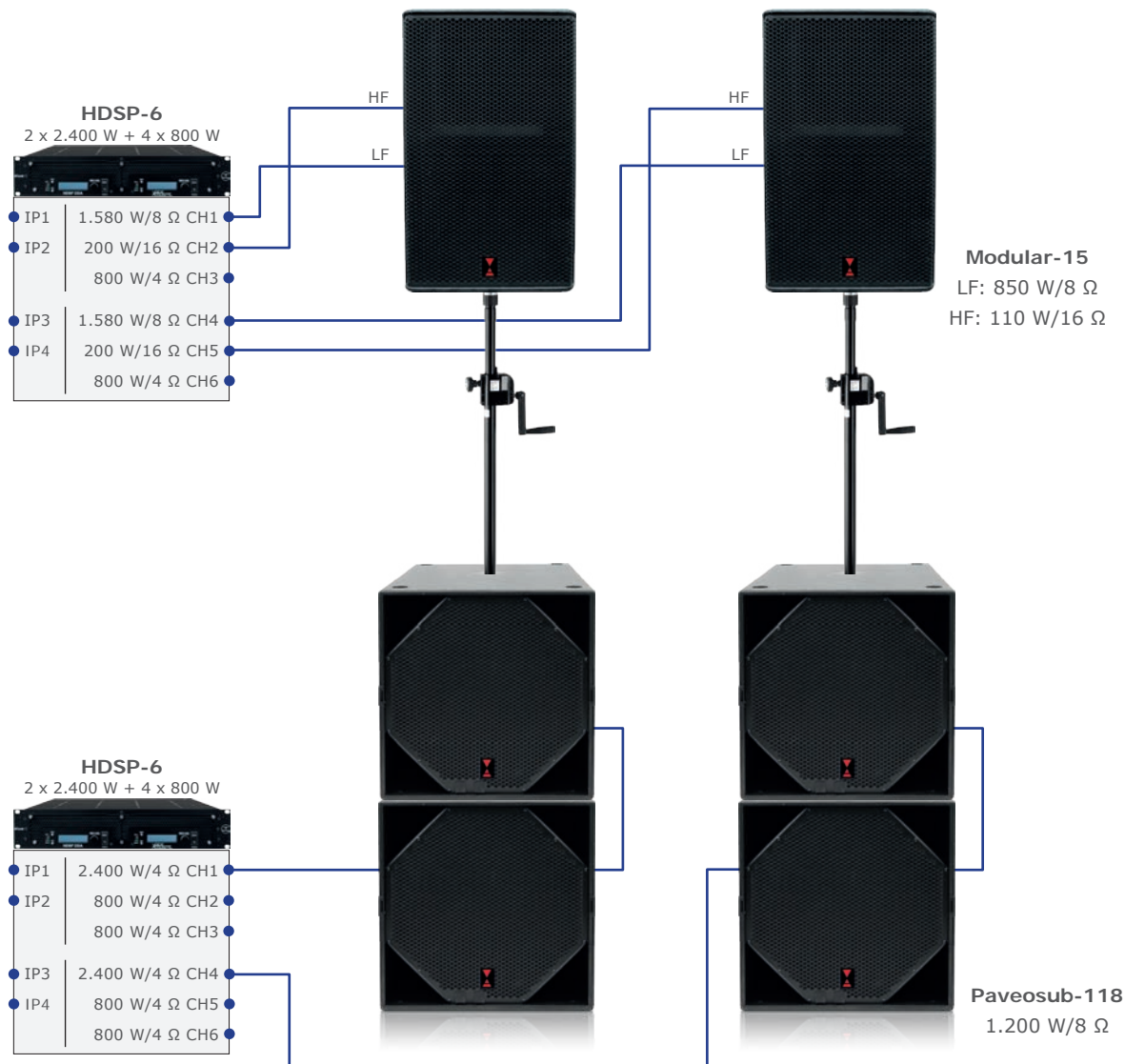
- 1 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 4 x Modular-12 bi-amping with horn 90° x 60°, transport & rain cover
- 8 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 4 x M20 Speaker rod »Ring Lock«
- 8 x Cable clamps
- 2 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-15 Set

### Plug & Play Sound System

- 2 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 2 x Modular-15\* bi-amping with horn 90° x 60°, transport & rain cover
- 4 x Pavesub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 rod with crank and »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 4 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



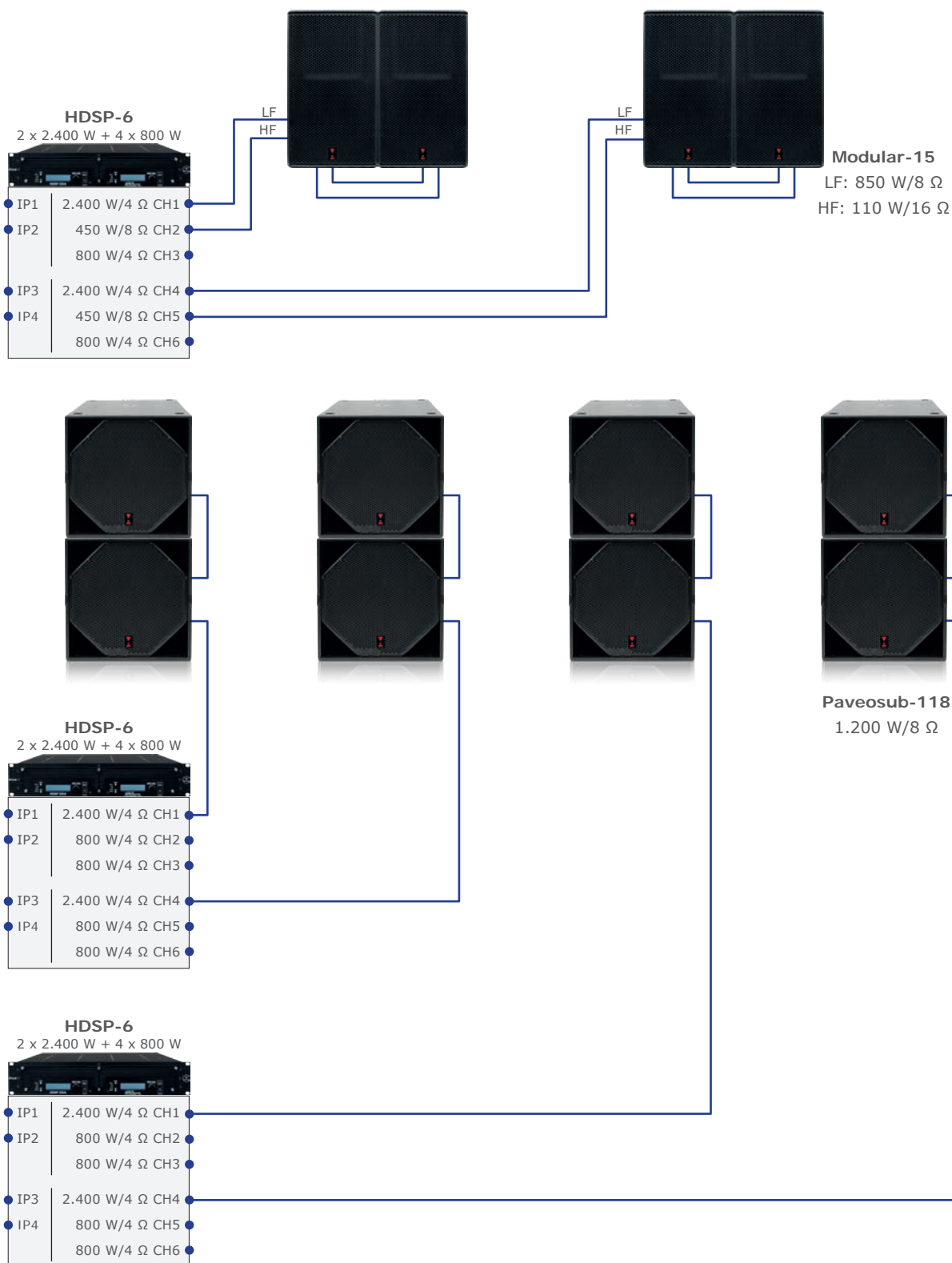
There are still 6 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills or monitoring.

\*optional 90 x 50° or 60 x 40° horn

## SubSat-15 Set large-size

### Plug & Play Sound System

- 3 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 4 x Modular-15 bi-amping with horn 90° x 60°, transport & rain cover
- 8 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 4 x M20 rod with crank and »Ring Lock«
- 2 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 15 m, 4 x 10 m, 6 x 3 m Speakon cable (4 x 4 qmm)

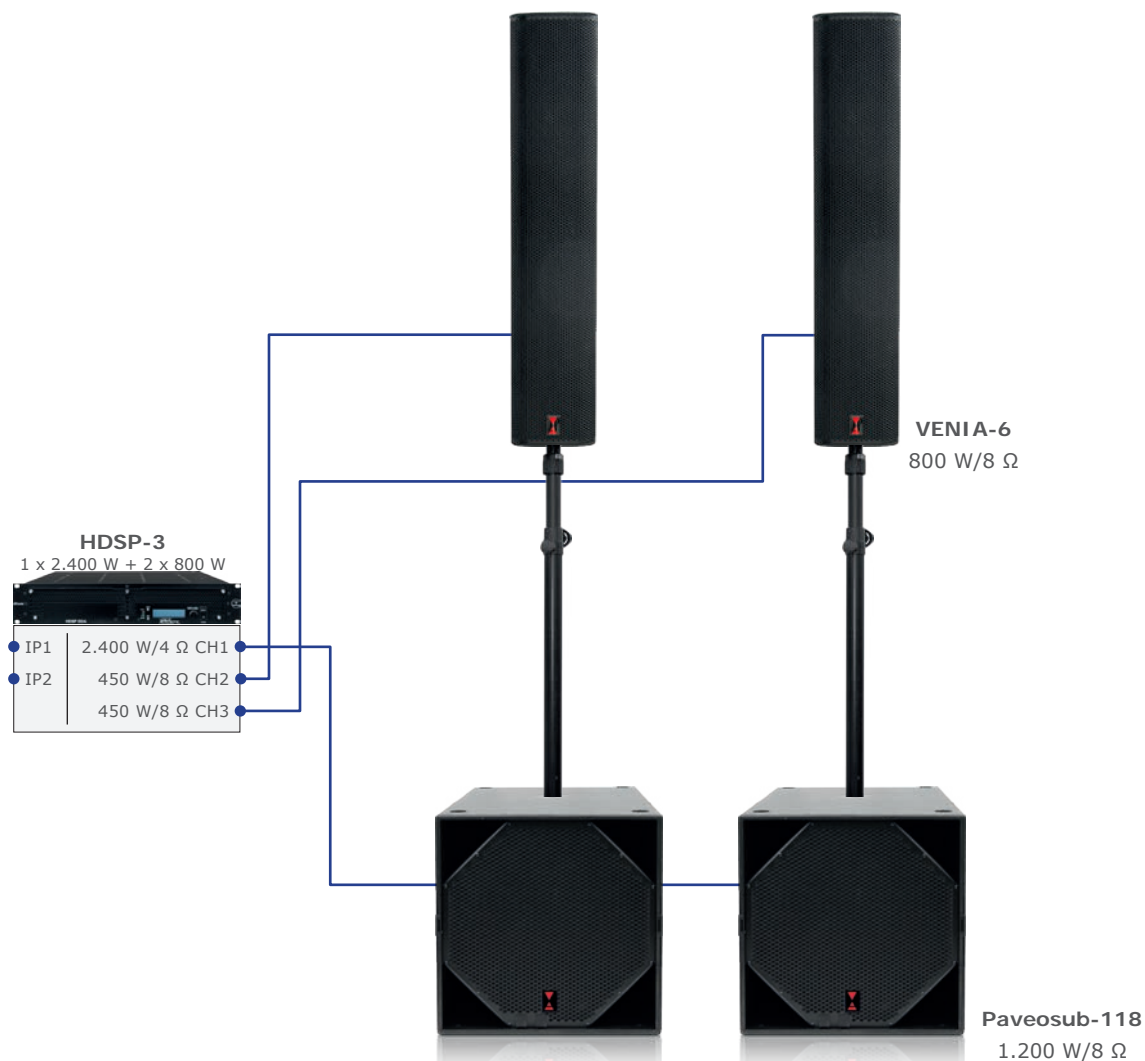


There are still 10 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills or monitoring.

## VENIA-6 Set basic HPM (half-powered mode)

### Plug & Play Sound System

- 1 x HDSP-3 with each 1,5 m powerCON TRUE1/Schuko cable
- 2 x VENIA-6 with 2 x Carrying bag for VENIA-6
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)

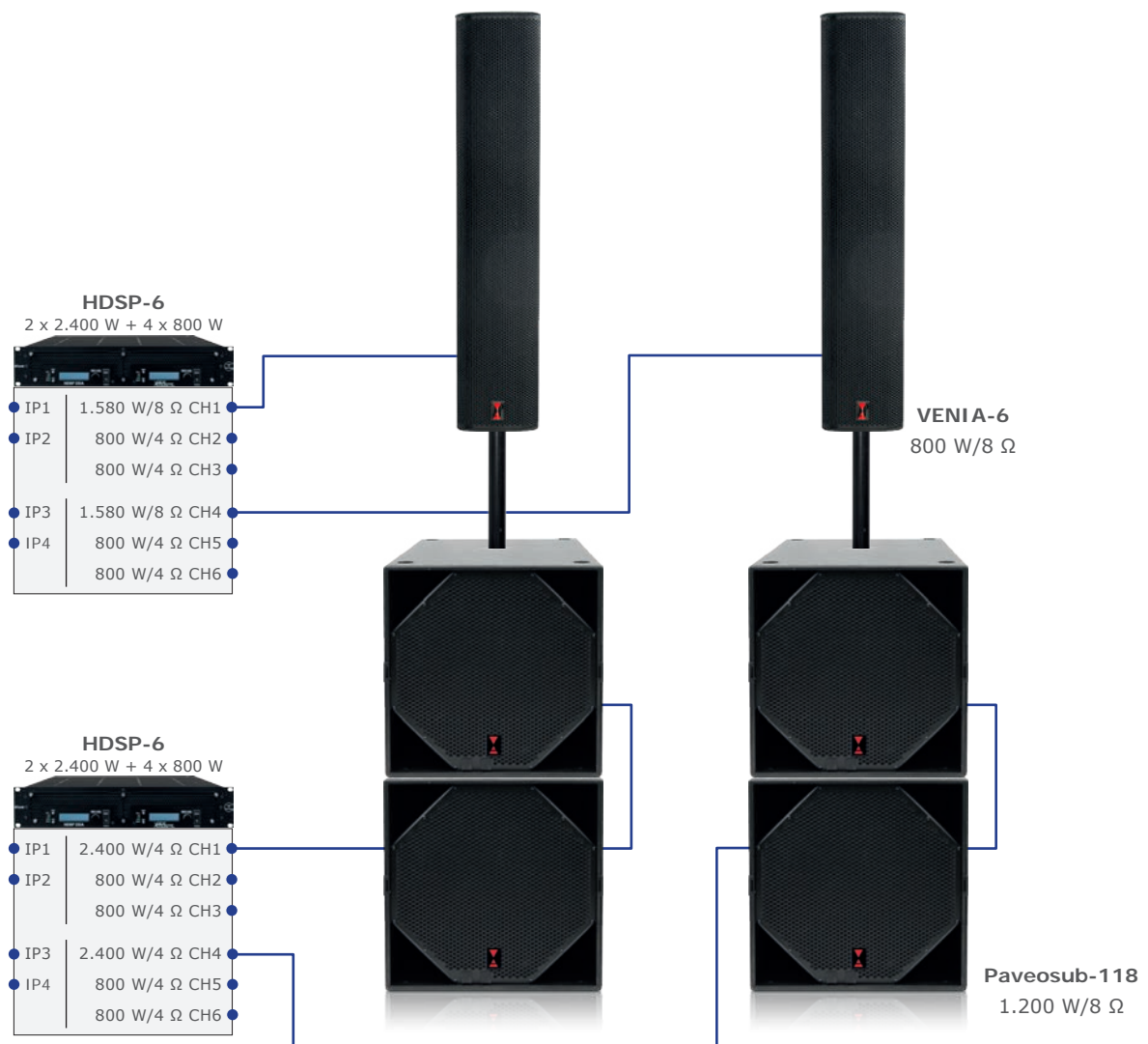




## VENIA-6 Set

### Plug & Play Sound System

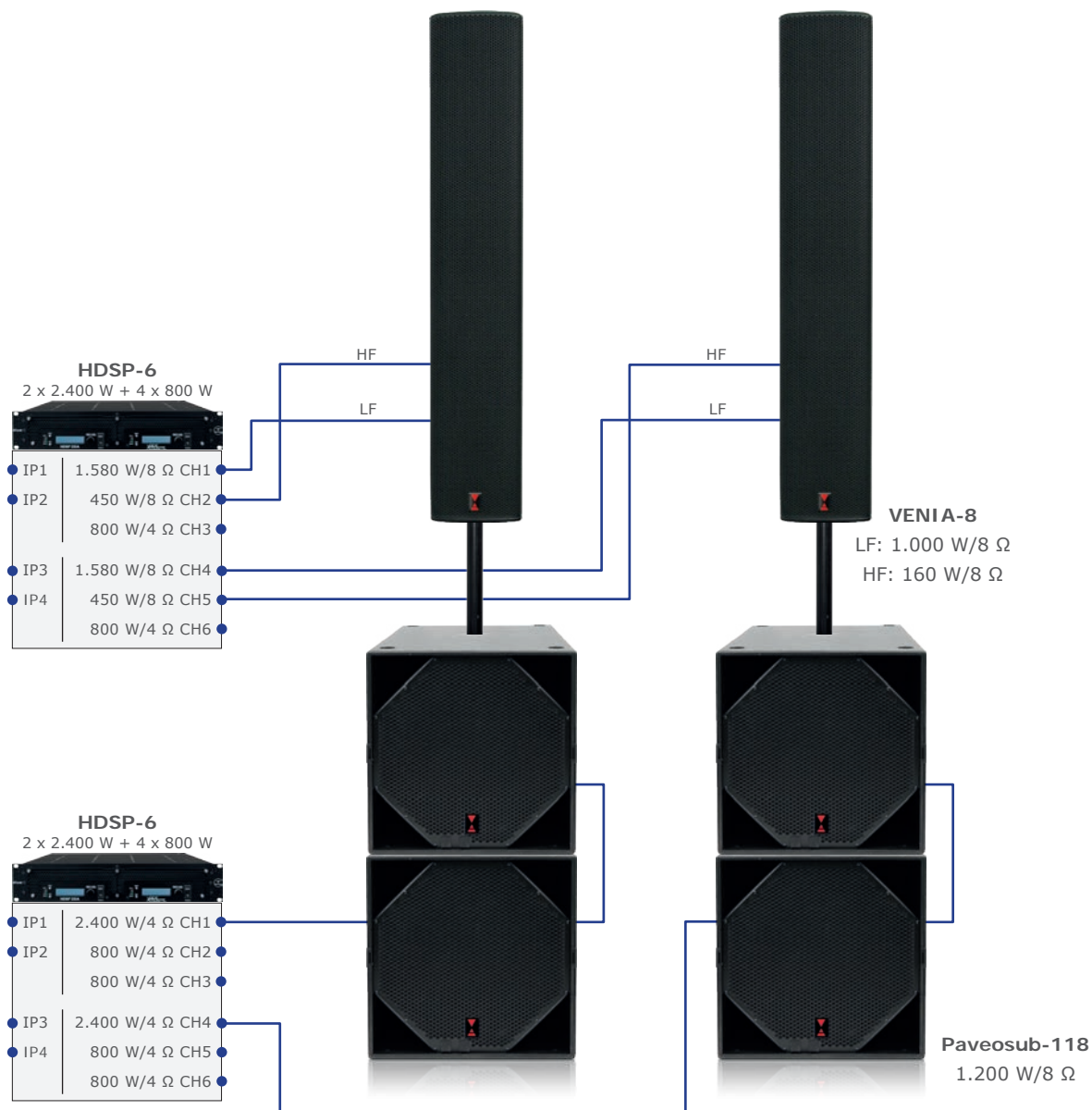
- 2 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 2 x VENIA-6 with 2 x Carrying bag for VENIA-6
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 Adapter 250 mm
- 4 x Cable clamps
- 4 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## VENIA-8 Set basic

### Plug & Play Sound System

- 2 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 2 x VENIA-8 with 2 x Carrying bag for VENIA-8
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 Adapter 250 mm
- 4 x Cable clamps
- 4 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)

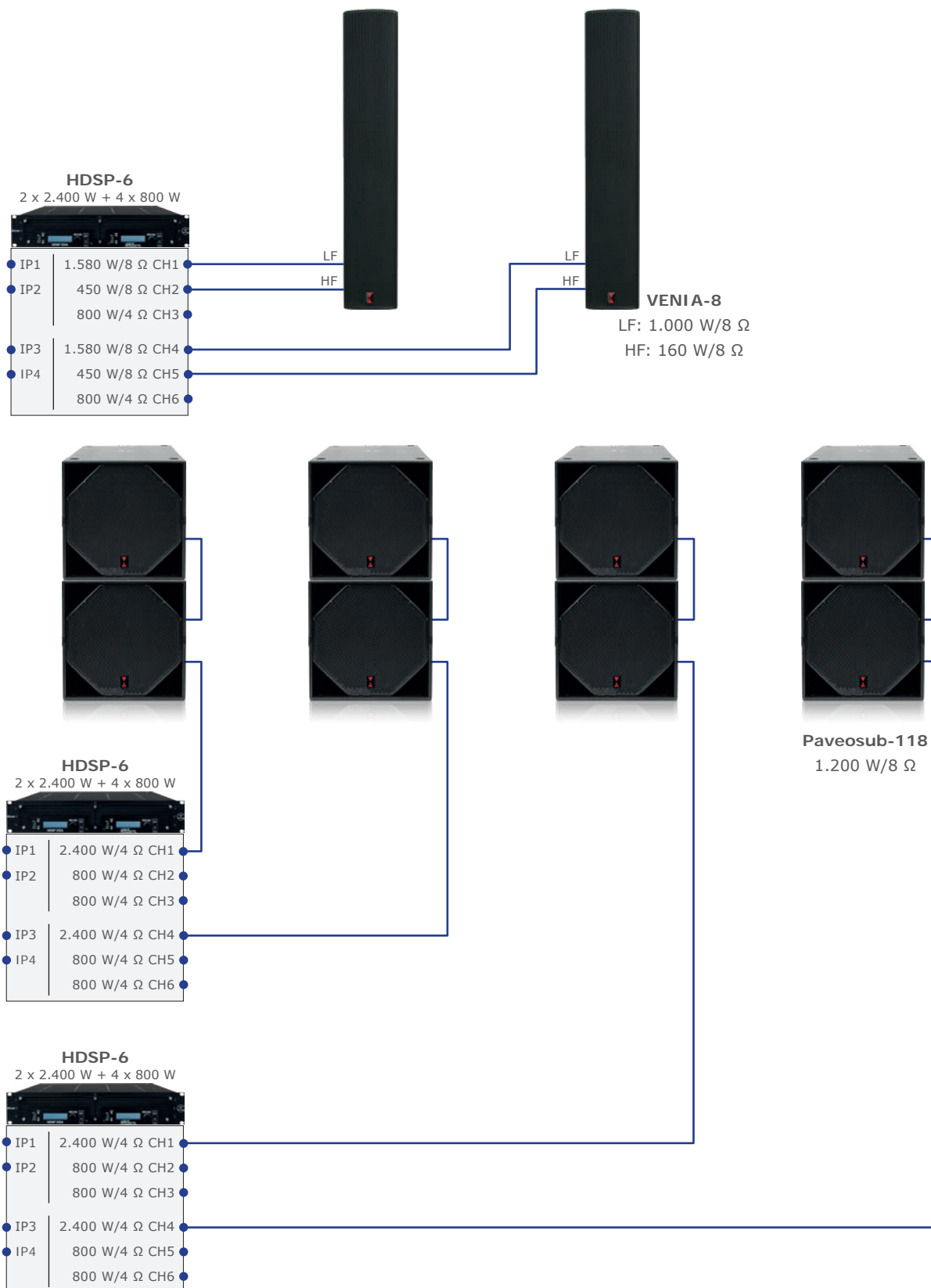


Es stehen noch 6 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) z.B. für Nearfills oder Monitoring zur Verfügung.

## VENIA-8 Set

### Plug & Play Sound System

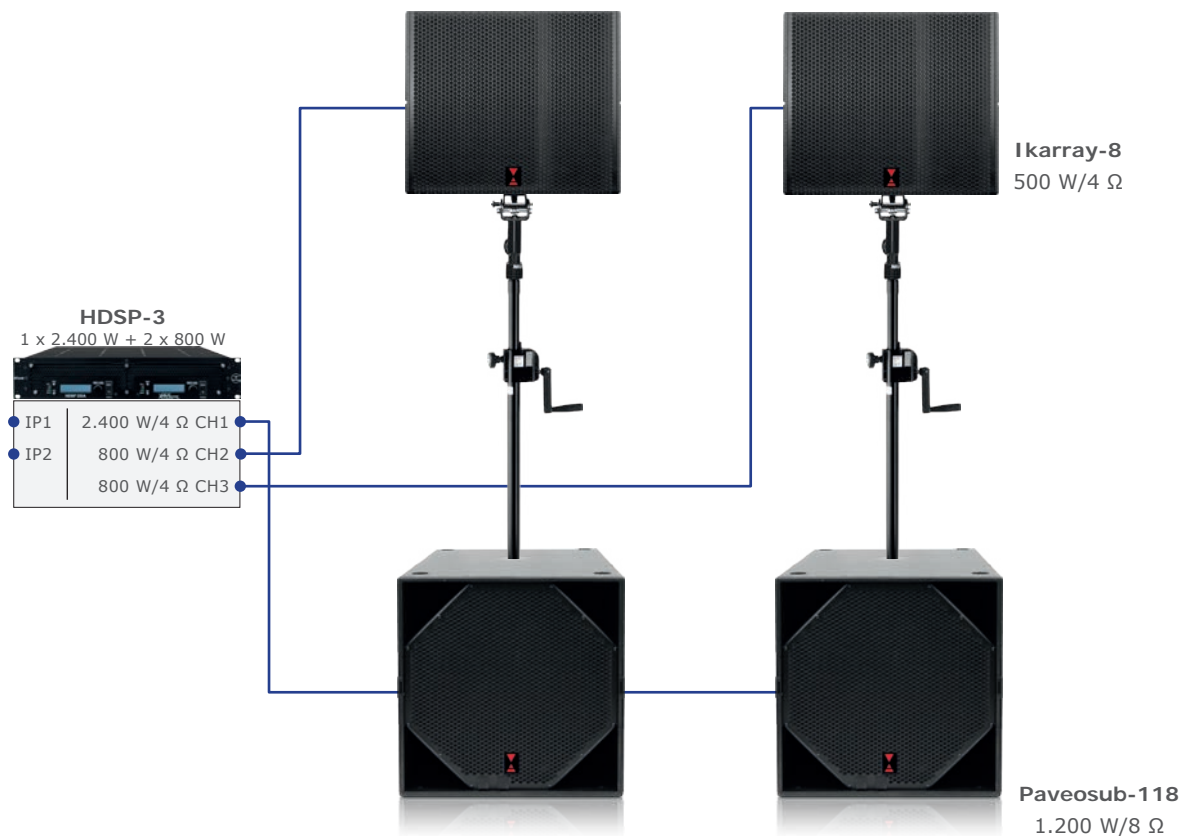
- 3 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 2 x VENIA-8 with 2 x Carrying bag for VENIA-8
- 8 x Paveosub-118 with detachable front-wheel board, transport & rain cover



## Ikarray-8 Set basic

### Plug & Play Sound System

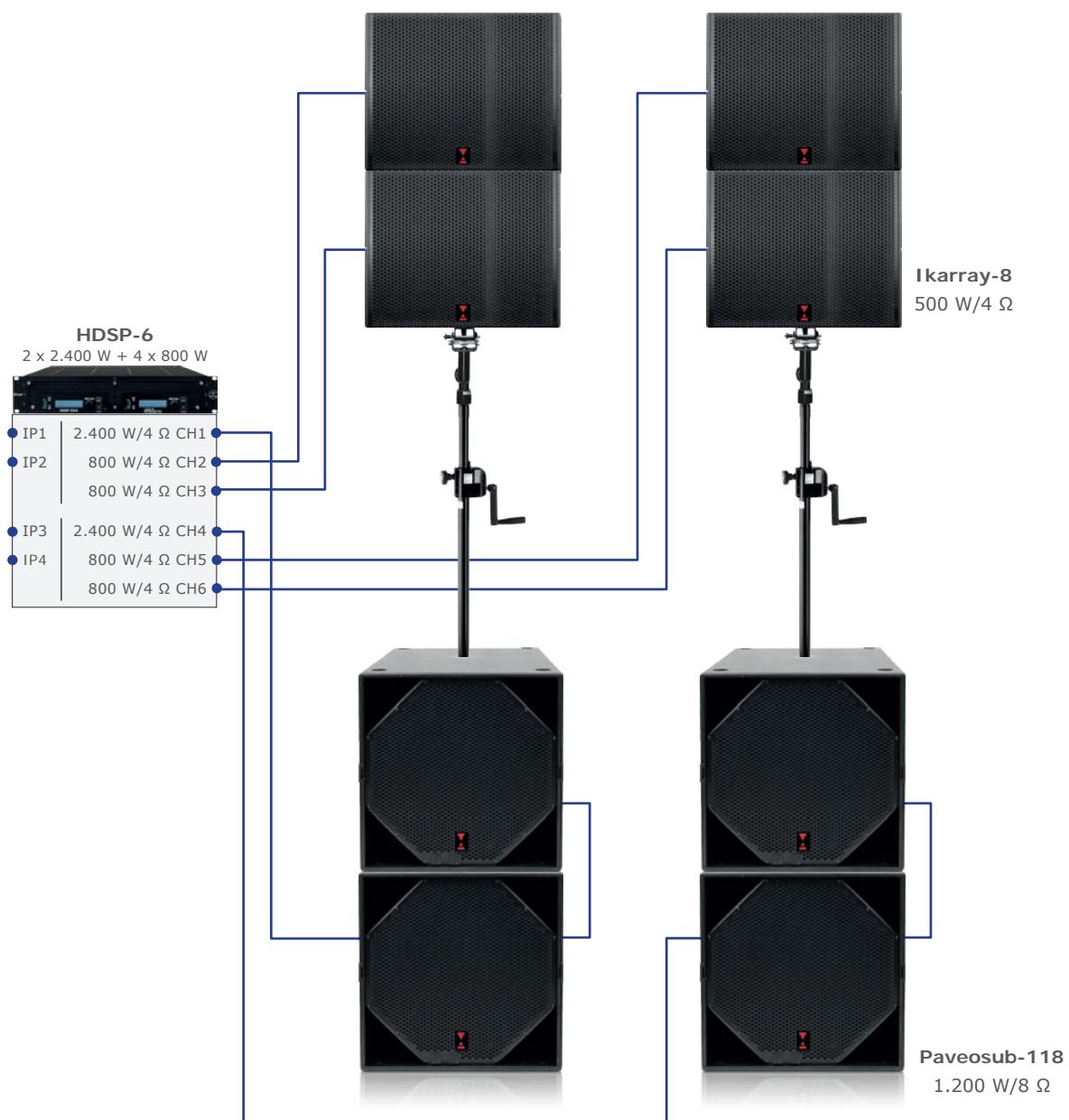
- 1 x HDSP-3 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Ikarray-8 /100° x 15°
- 2 x 2-in-1 flight and tripod mechanics for Ikarray-8
- 2 x Tripod transducer with M10 x 12 mm bolt
- 2 x Pavesub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 rod with crank and »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## Ikarray-8 Set

### Plug & Play Sound System

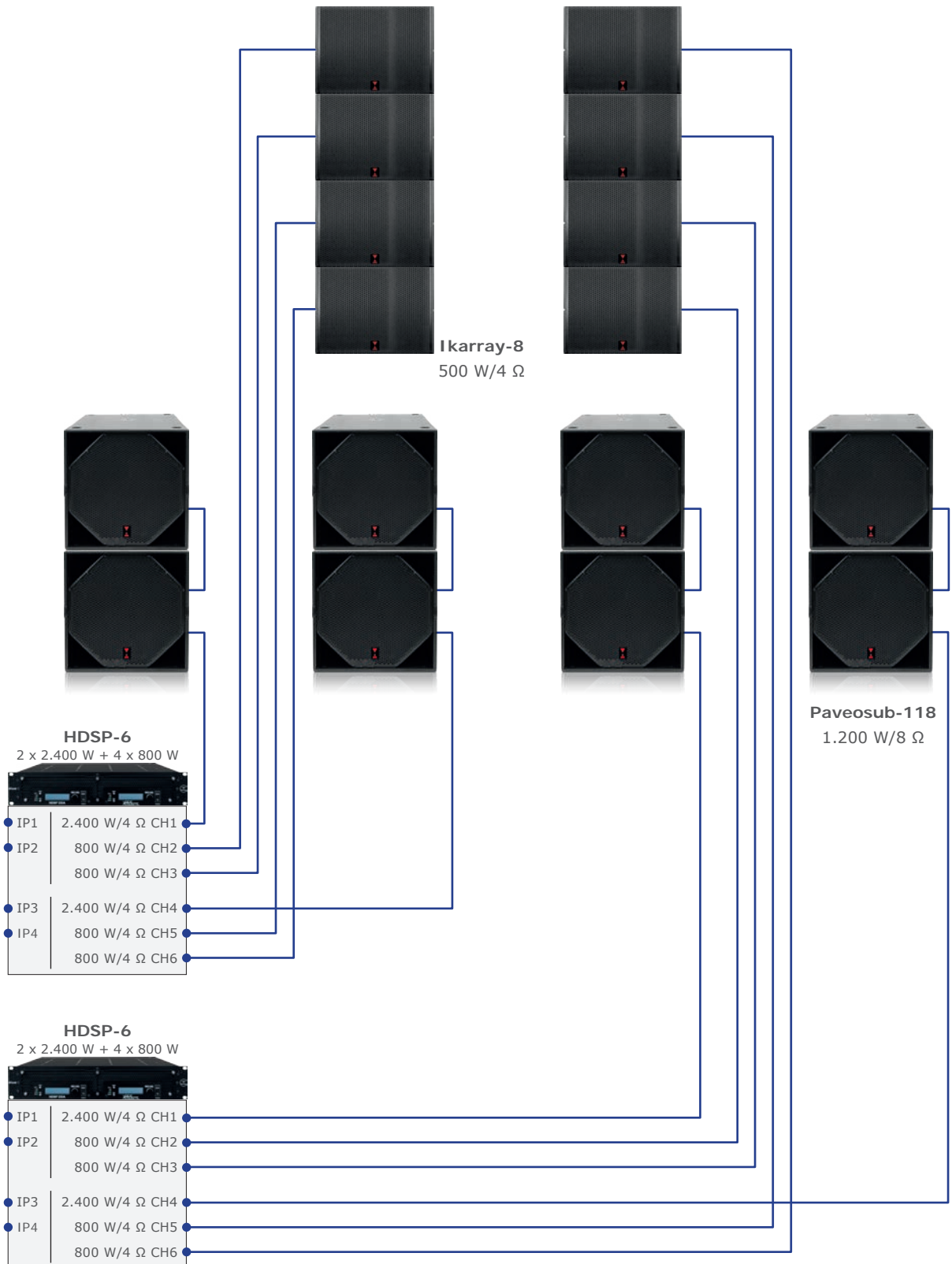
- 1 x HDSP-6 with 1,5 m powerCON TRUE1/Schuko cable
- 2 x Ikarray-8 /100° x 15°
- 2 x Ikarray-8 /100° x 5°
- 2 x 2-in-1 flight and tripod mechanics for Ikarray-8
- 2 x Tripod transducer with M10 x 12 mm bolt
- 2 x Self lock clamp for pipe 48-51mm, 30mm wide, max. 250 kg
- 2 x Safety 6/1000
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x M20 rod with crank and »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 15 m, 4 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



# Ikarray-8 Set large

## Plug & Play Sound System

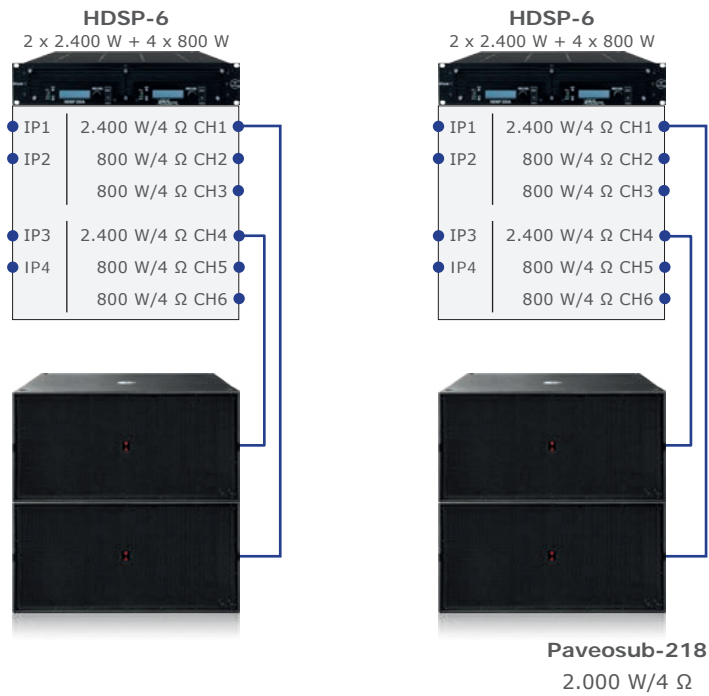
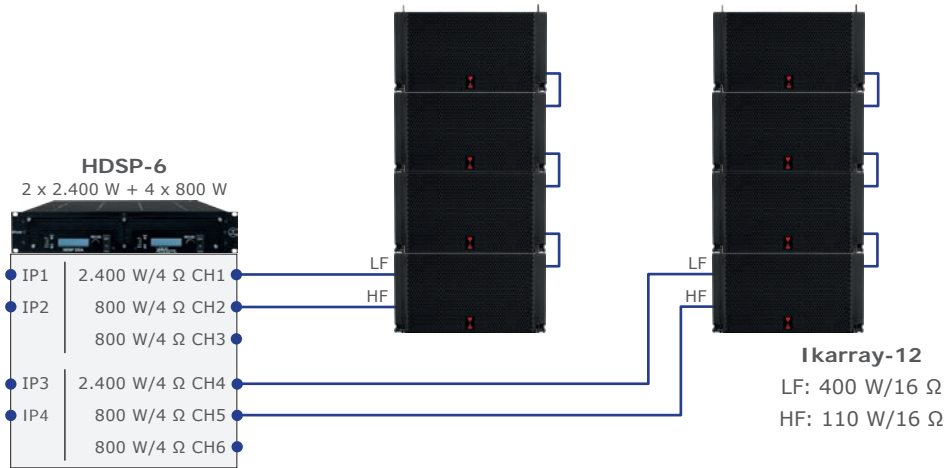
- 2 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 4 x Ikarray-8 /100° x 15°
- 4 x Ikarray-8 /100° x 5°
- 2 x 2-in-1 flight and tripod mechanics for Ikarray-8
- 8 x Paveosub-118 with detachable front-wheel board, transport & rain cover



# Ikarray-12 Set

## Line-Array System

- 3 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 8 x Ikarray-12 bi-amping
- 2 x Rigging frame for Ikarray-12
- 4 x Paveosub-218

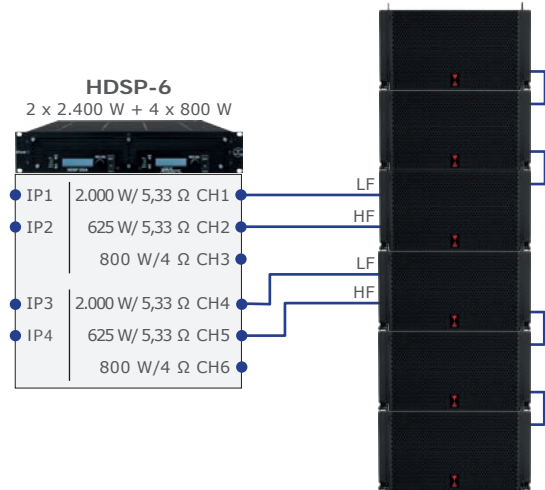
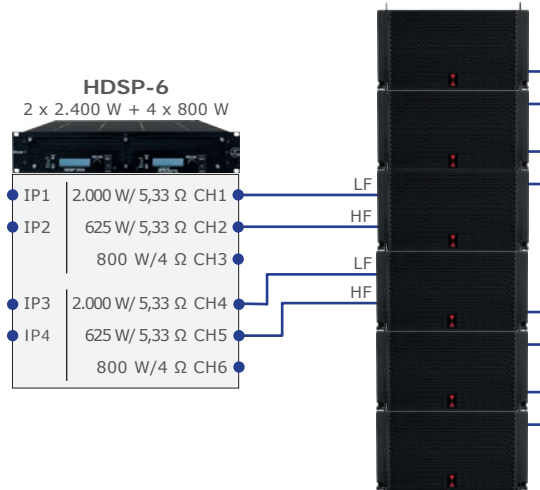


There are still 10 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills or monitoring.

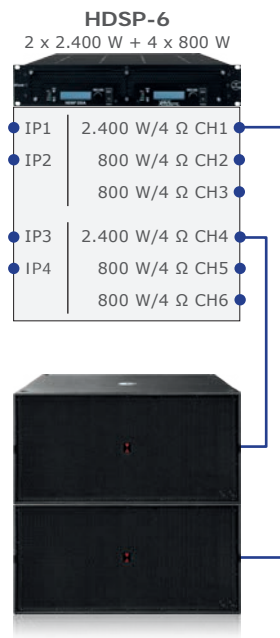
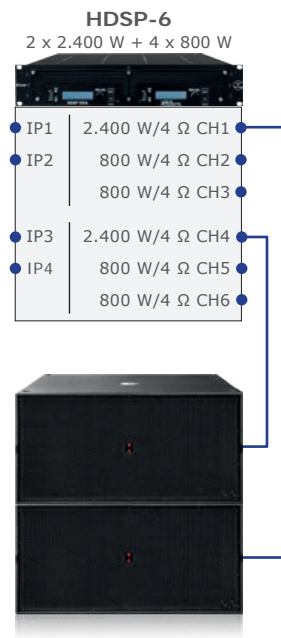
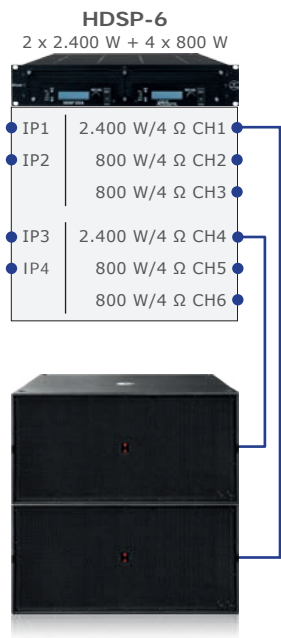
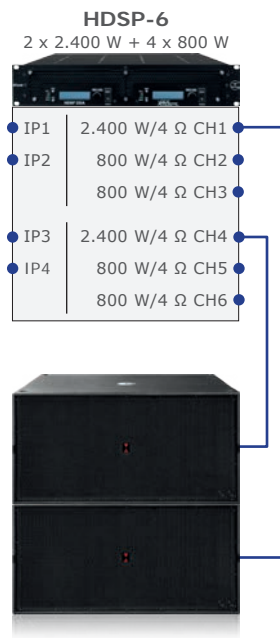
# Ikarray-12 Set

## Line-Array System

- 6 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 12 x Ikarray-12 bi-amping
- 2 x Rigging frame for Ikarray-12
- 8 x Paveosub-218



**Ikarray-12**  
 LF: 400 W/16 Ω  
 HF: 110 W/16 Ω



**Paveosub-218**  
 2.000 W/4 Ω

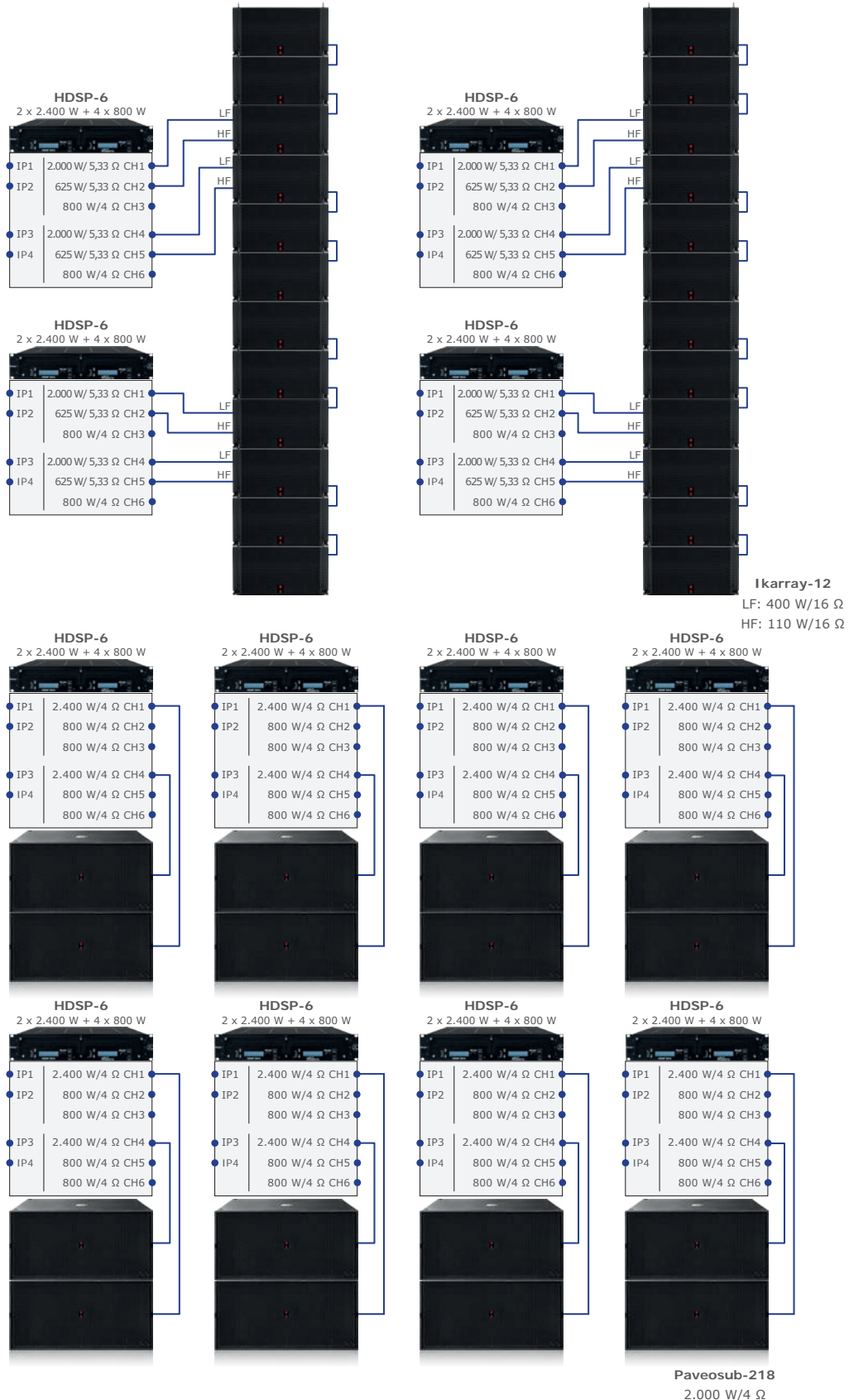
There are still 20 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills or monitoring.



# Ikarray-12 Set large

## Line-Array System

- 12 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 24 x Ikarray-12 bi-amping
- 2 x Rigging frame for Ikarray-12
- 16 x Paveosub-218

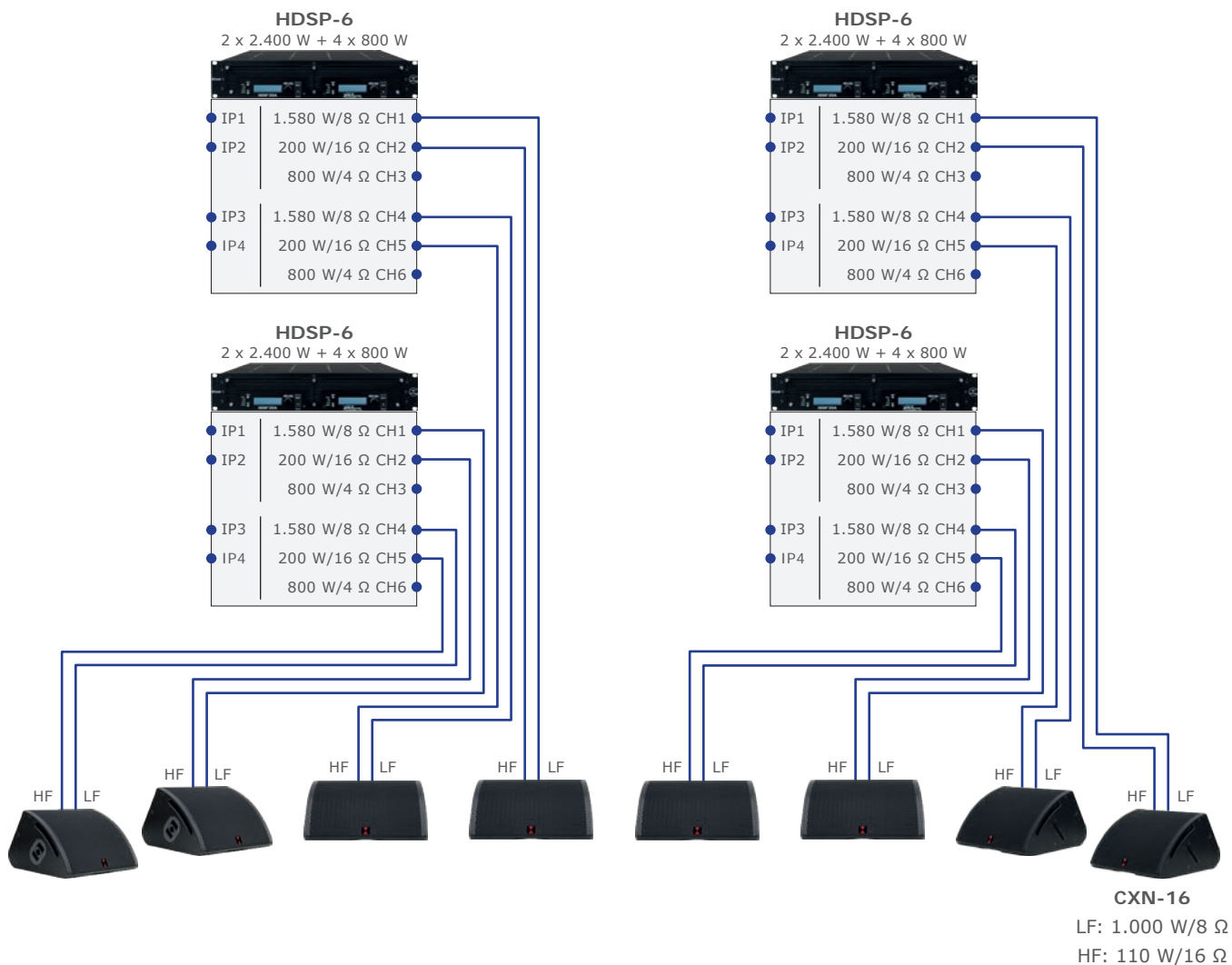


There are still 40 x (800 W / 4 Ω / 450 W / 8 Ω / 200 W / 16 Ω) available, e. g. for nearfills or monitoring.

## CXN-16 Set

### Plug & Play Monitor System

- 4 x HDSP-6 with each 1,5 m powerCON TRUE1/Schuko cable
- 8 x CXN-16



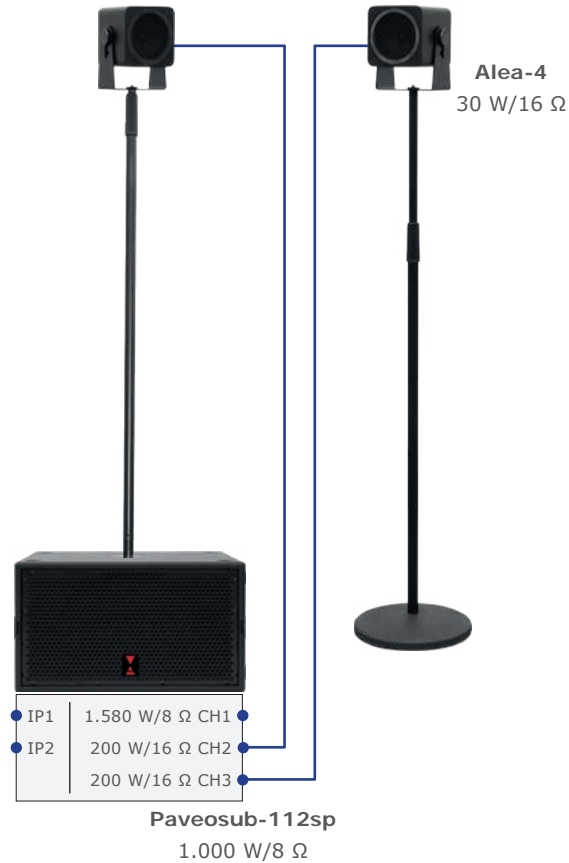
There are still 8 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills.

# Self-Powered Systems

## SubSat-4sp Set

### Plug & Play Satellite System Self-Powered

- 2 x Alea-4 with u-bracket
- 1 x Pavesub-112sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x Alea-4 stand with round base, adjustable from 1,100 to 1,700 mm
- 1 x Reducing thread M20 x 1.25 mm for Alea-4 stand
- 1 x Carrying bag for 3 x Alea-4 stand with round base
- 1 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)

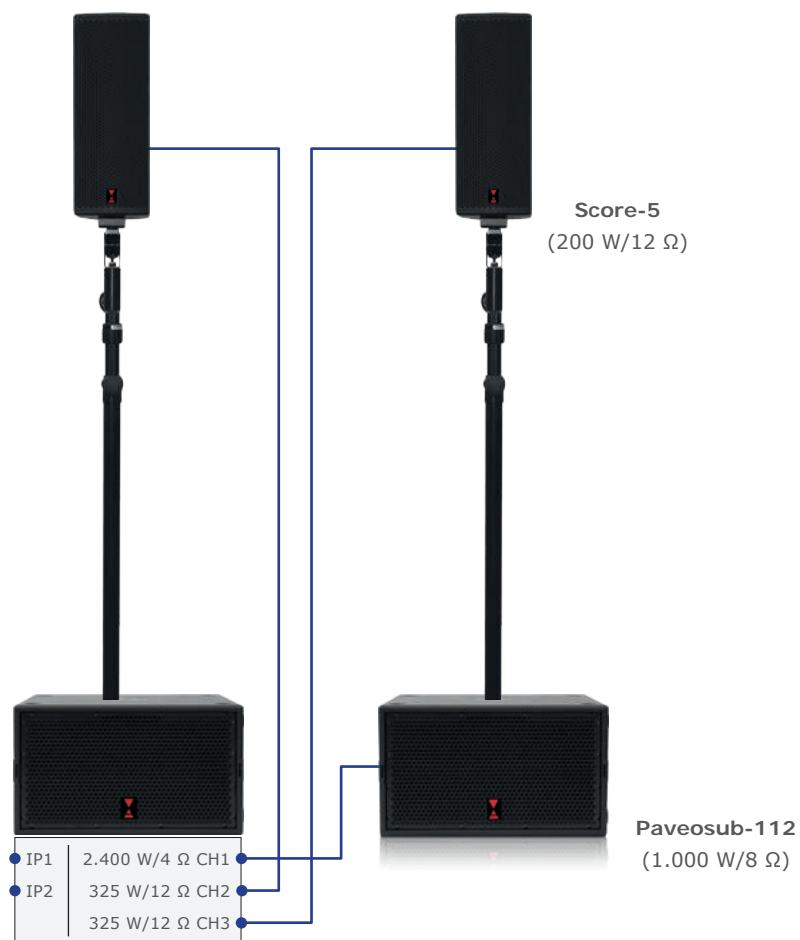


The set could be extended by 1 x Pavesub-112 and 6 x Alea-4.

## Score-5sp Set

### Plug & Play Satellite System Self-Powered

- 2 x Score-5
- 2 x L-bracket Set for Score-5
- 1 x Carrying bag for up to 2 x Score-5
- 1 x Paveosub-112 with detachable front-wheel board, transport cover
- 1 x Paveosub-112sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



The set could be extended by 4 x Score-5 if needed.

## Score-8sp Set basic

### Plug & Play Satellite System self-powered

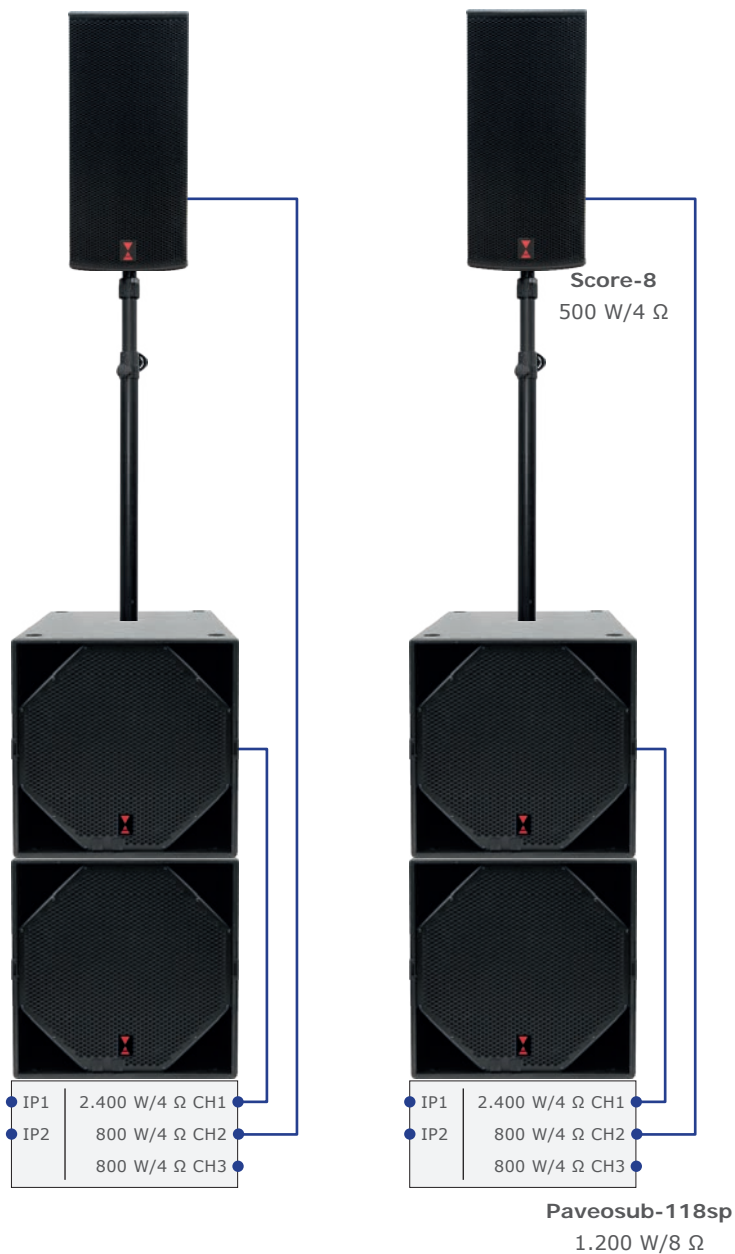
- 2 x Score-8 with rotatable horn 90° x 40°, transport & rain cover
- 1 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 1 x Paveosub-118sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## Score-8sp Set

### Plug & Play Satellite System self-powered

- 2 x Score-8 with rotatable horn 90° x 40°, transport & rain cover
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-118sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 Speaker rod »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 6 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-LAsp Set basic

### Plug & Play Satellite System Self-Powered

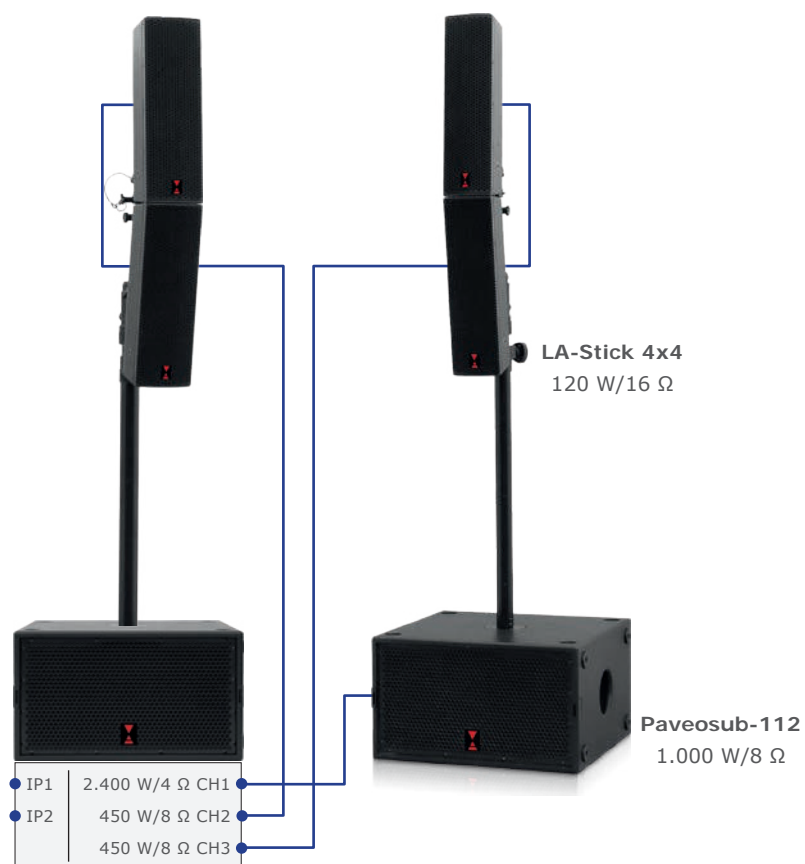
- 2 x LA-Stick 4x4
- 1 x Carrying bag for up to 2 x LA-Stick 4x4
- 2 x Inclinable Stand Adapter
- 1 x Pavesub-112sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x Plate base 45 cm with weight plate
- 1 x Carrying bag for 45 cm plate base
- 1 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-LAsp Set

### Plug & Play Satellite System Self-Powered

- 4 x LA-Stick 4x4
- 2 x Carrying bag for up to 2 x LA-Stick 4x4
- 2 x Spindle mechanics for LA-Stick 4x4
- 2 x Inclinable Stand Adapter
- 1 x Paveosub-112 with detachable front-wheel board, transport cover
- 1 x Paveosub-112sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)
- 2 x 0,55 m Speakon cable (2 x 2,5 qmm)

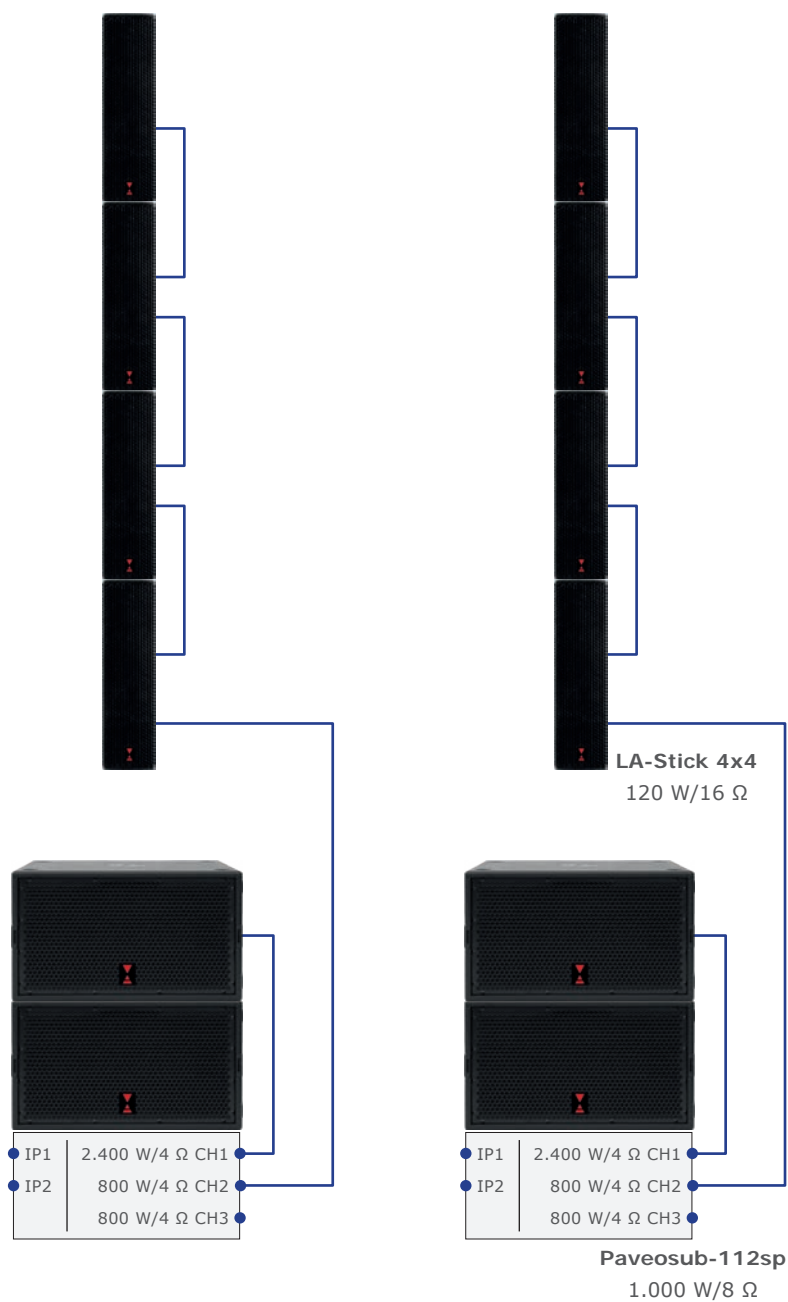




## SubSat-LAsp Set large-size

### Plug & Play Satellite System Self-Powered

- 8 x LA-Stick 4x4
- 4 x Carrying bag for up to 2 x LA-Stick 4x4
- 6 x Spindle mechanics for LA-Stick 4x4
- 2 x Flight mechanics for LA-Stick 4x4
- 2 x Paveosub-112 with detachable front-wheel board, transport cover
- 2 x Paveosub-112sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x 10 m, 4 x 3 m Speakon cable (4 x 4 qmm)
- 6 x 0,55 m Speakon cable (2 x 2,5 qmm)

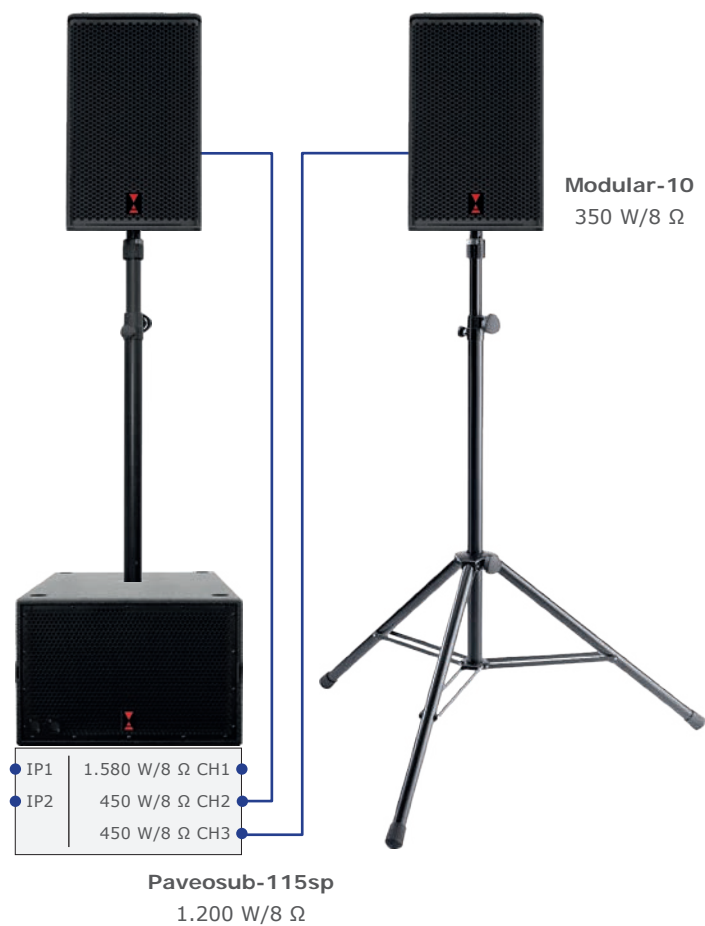


There are still 2 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e.g. for nearfills or monitoring.

## SubSat-10sp Set

### Plug & Play Satellite System Self-Powered

- 2 x Modular-10 with transport & rain cover
- 1 x Paveosub-115sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 1 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Speaker stand with »Ring Lock«
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 1 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)

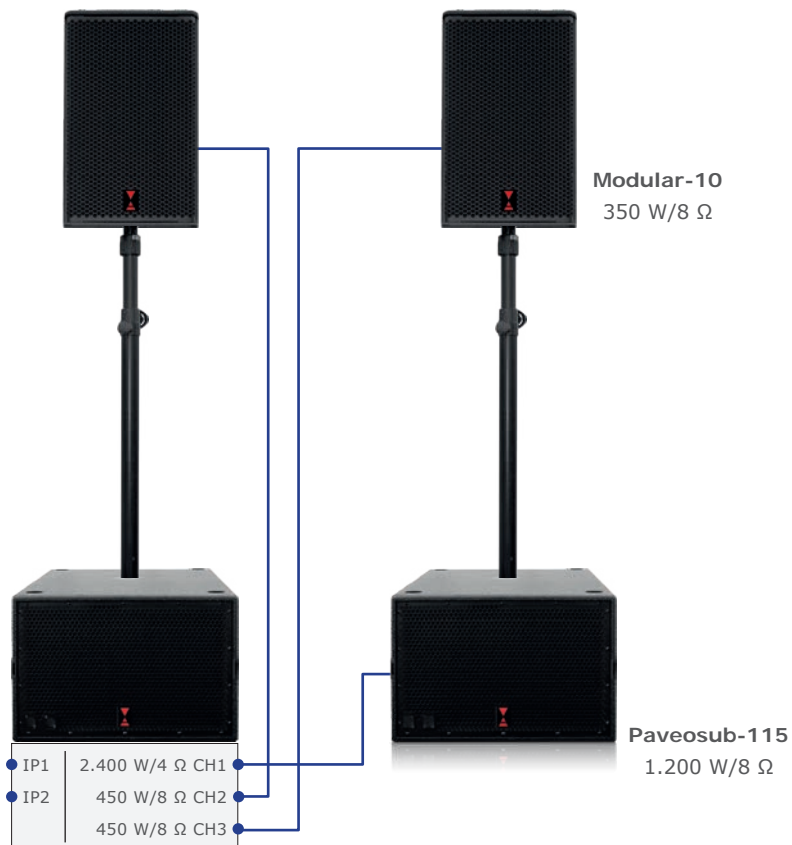


If required, the set could be extended by 2 x Modular-10 and a Paveosub-115.

## SubSat-10sp Set

### Plug & Play Satellite System Self-Powered

- 2 x Modular-10 with rotatable horn 90° x 40°, transport & rain cover
- 1 x Paveosub-115 with detachable front-wheel board, transport & rain cover
- 1 x Paveosub-115sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)

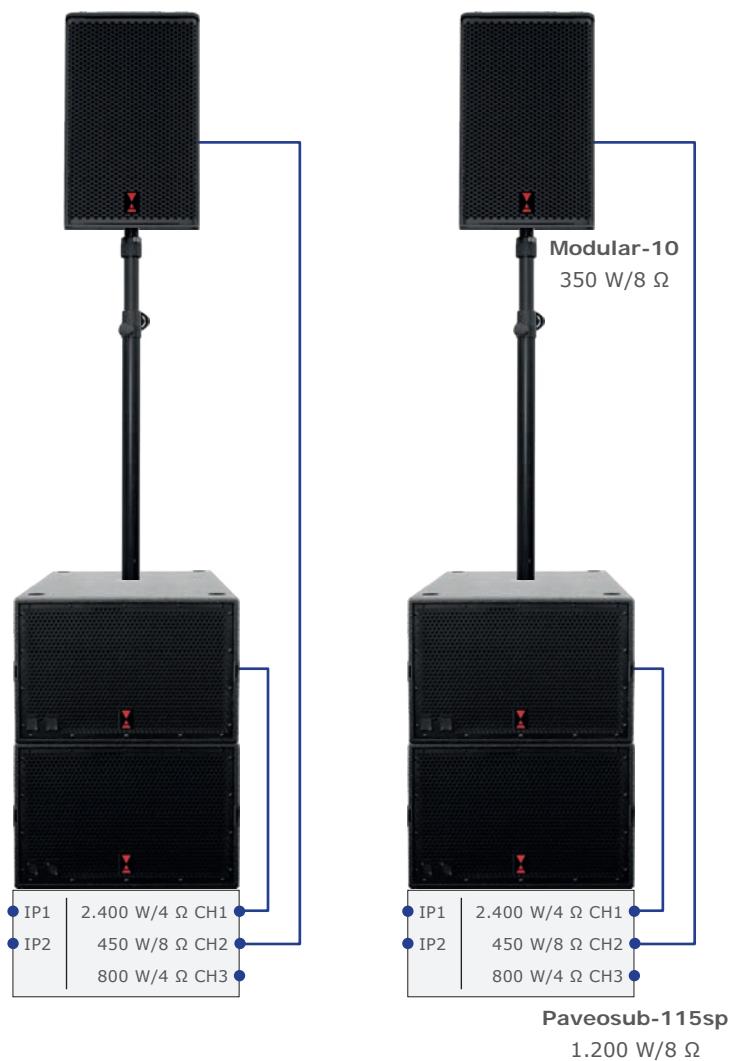


The set could be extended by 2 x Modular-10 if required.

## SubSat-10sp Set large-size

### Plug & Play Satellite System Self-Powered

- 2 x Modular-10 with rotatable horn 90° x 40°, transport & rain cover
- 2 x Paveosub-115 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-115sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x 10 m, 4 x 3 m Speakon cable (4 x 4 qmm)

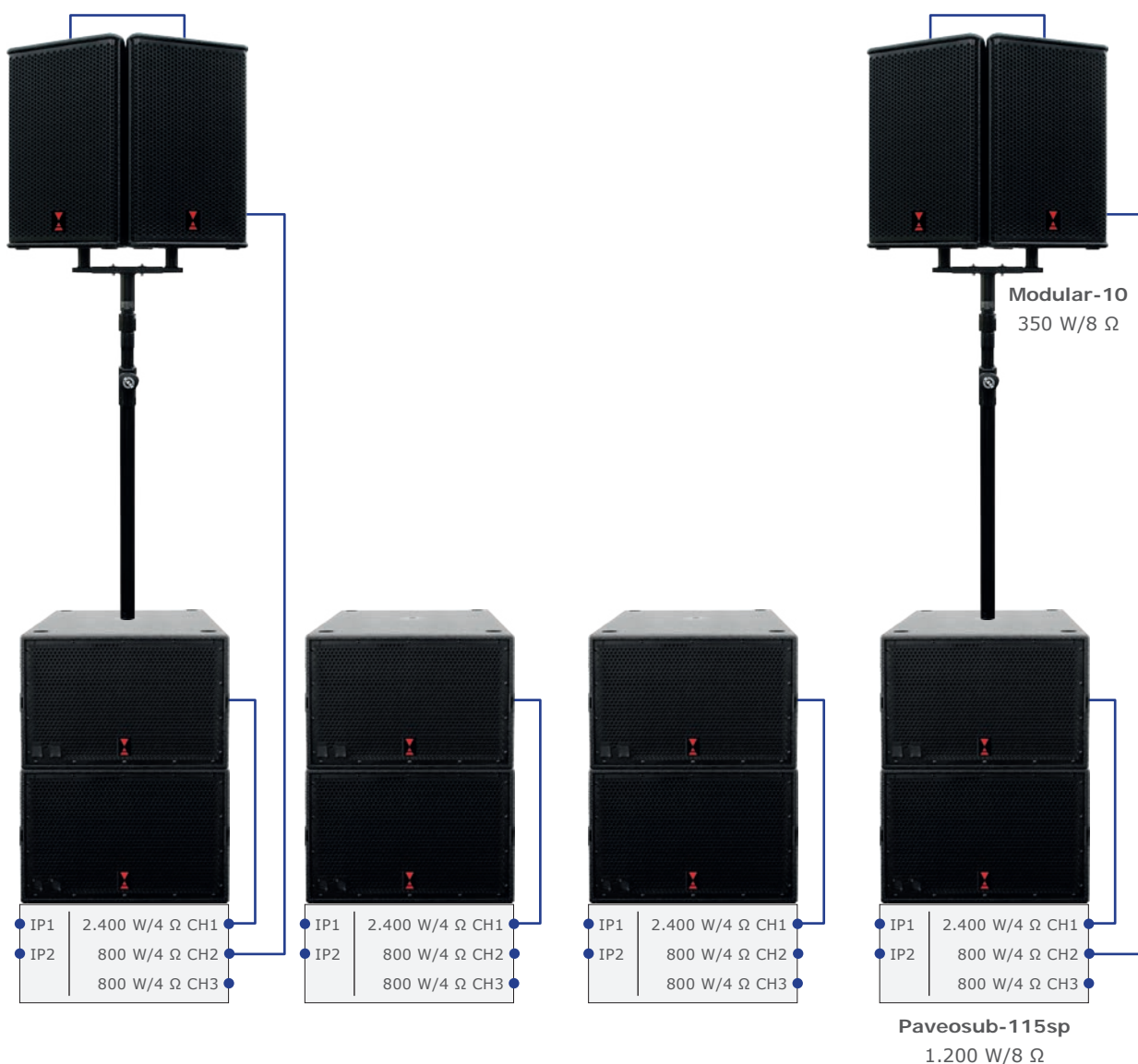


The set could be extended by 6 x Modular-10 if required.

## SubSat-10sp Set double large-size

### Plug & Play Satellite System Self-Powered

- 2 x Modular-10 with rotatable horn 90° x 40°, transport & rain cover
- 2 x Paveosub-115 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-115sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with crank and »Ring Lock«
- 2 x Speaker stands fork
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 10 m, 8 x 3 m Speakon cable (4 x 4 qmm)

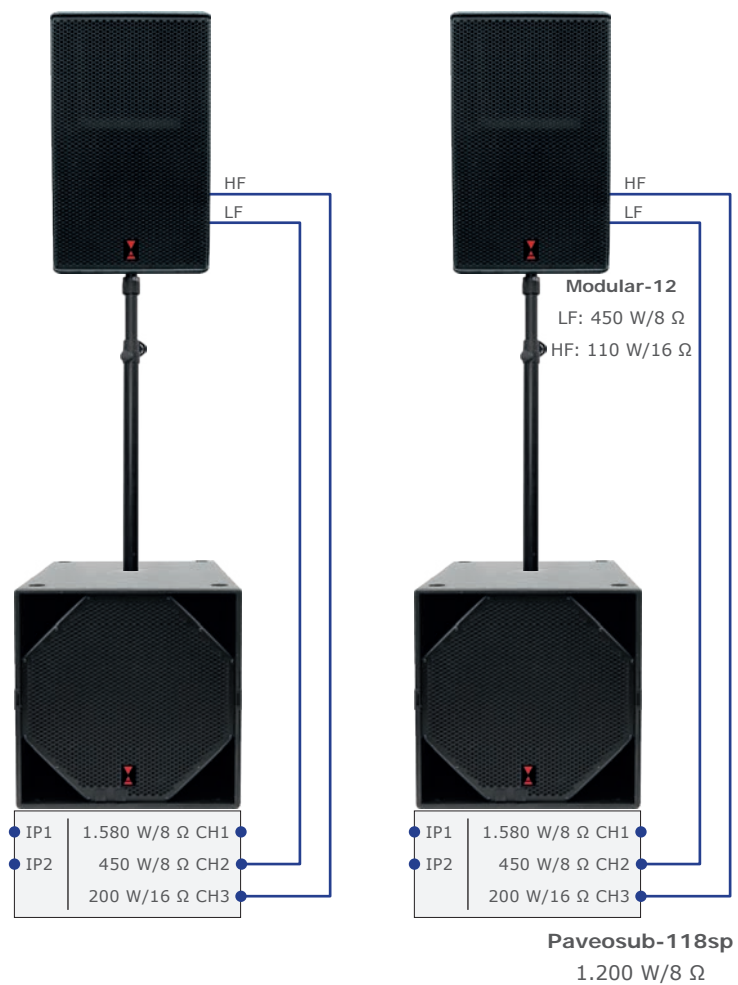


The set could be extended by 12 x Modular-10 if required.

## SubSat-12sp Set basic

### Plug & Play Satellite System Self-Powered

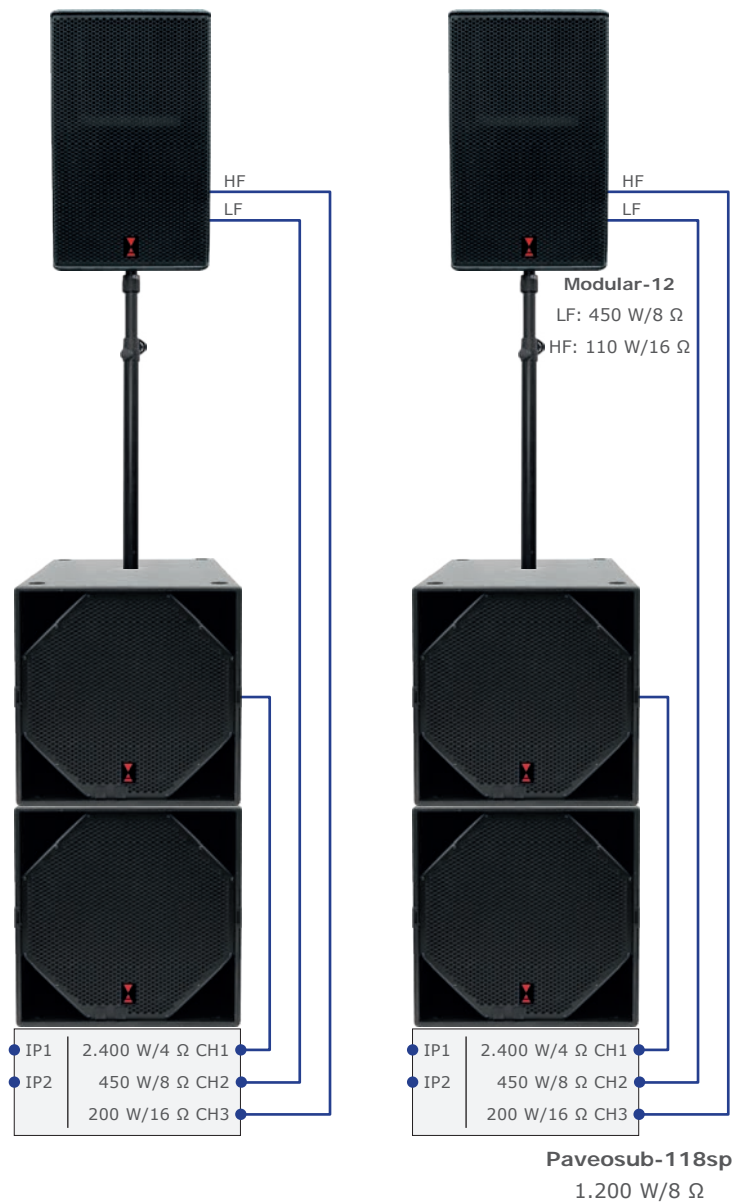
- 2 x Modular-12 bi-amping with horn 90° x 60°, transport & rain cover
- 2 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 1 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-12sp Set

### Plug & Play Satellite System Self-Powered

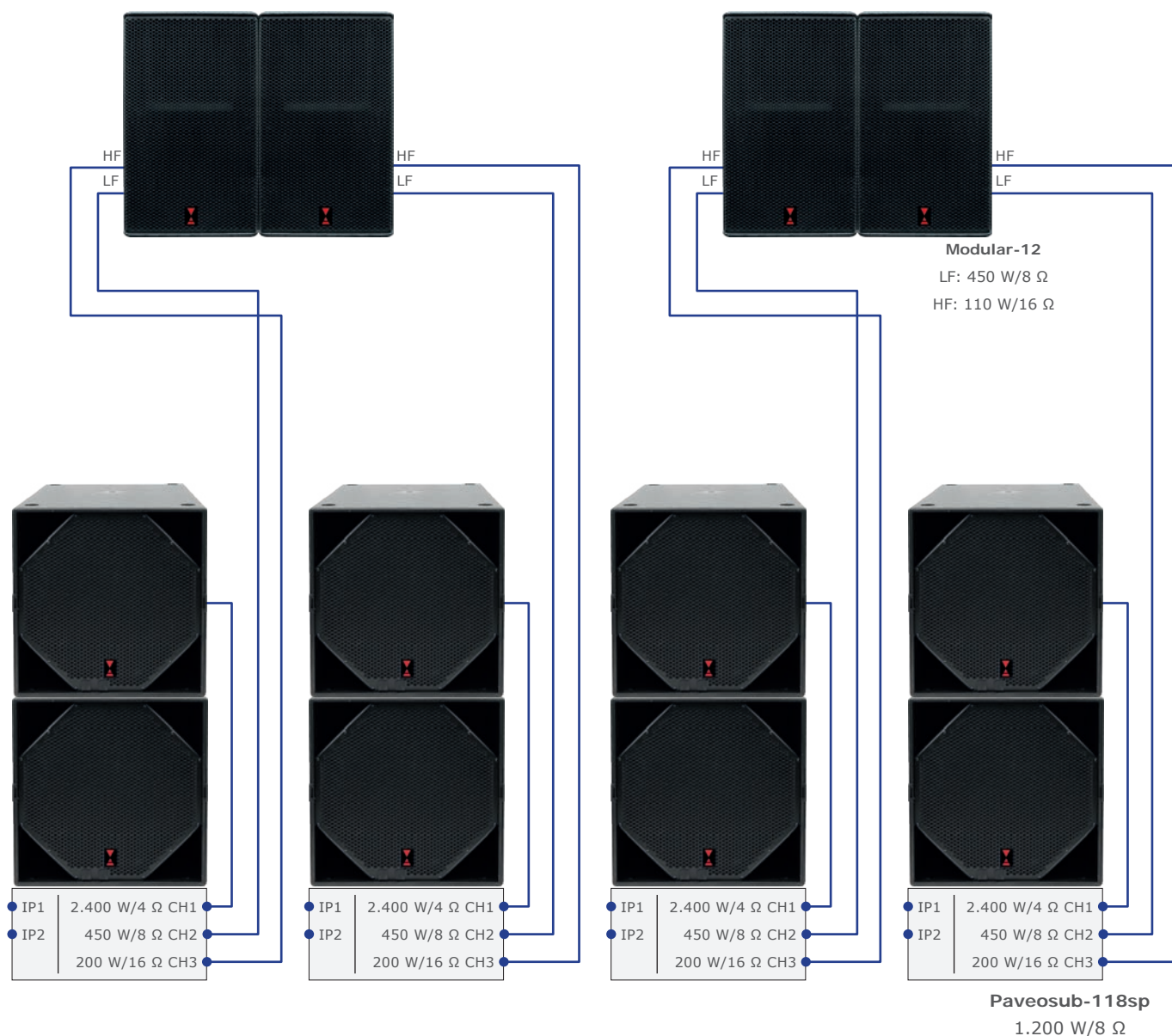
- 2 x Modular-12 bi-amping with horn 90° x 60°, transport & rain cover
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x telescopic distance rods without crank
- 2 x 6 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## SubSat-12sp Set large-size

### Plug & Play Satellite System Self-Powered

- 4 x Modular-12 bi-amping with horn 90° x 60°, transport & rain cover
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 4 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 4 x M20 rod with »Ring Lock«
- 8 x Cable clamps
- 2 x Carrying bag for 2 x telescopic distance rods without crank
- 4 x 6 m, 4 x 3 m Speakon cable (4 x 4 qmm)

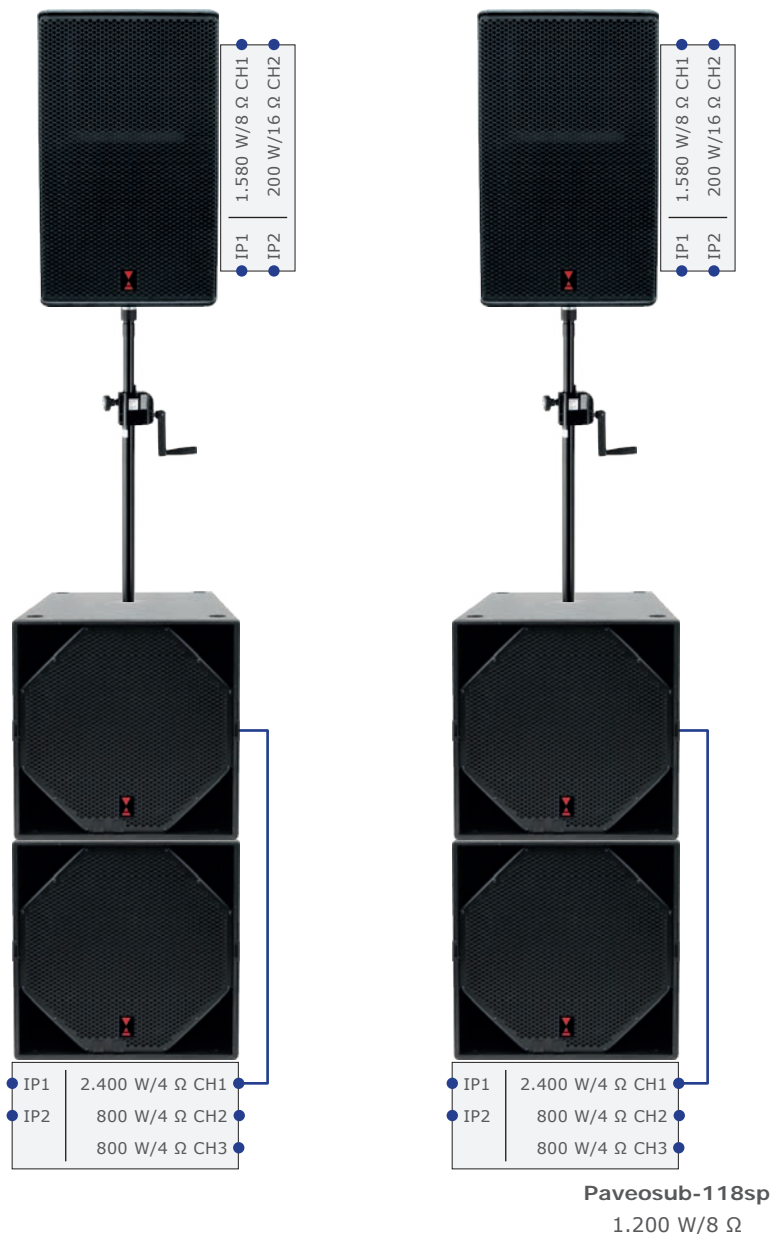




## SubSat-15sp Set

### Plug & Play Sound System Self-Powered

- 2 x Modular-15sp\* bi-amping with horn 90° x 60°, transport & rain cover
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with crank and »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 3 m Speakon cable (4 x 4 qmm)



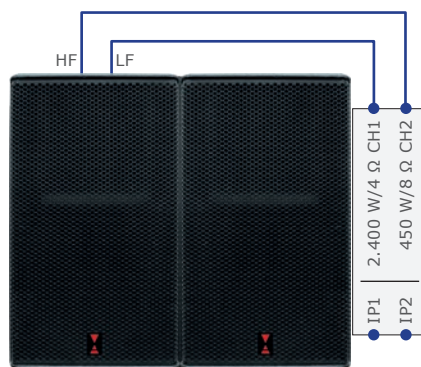
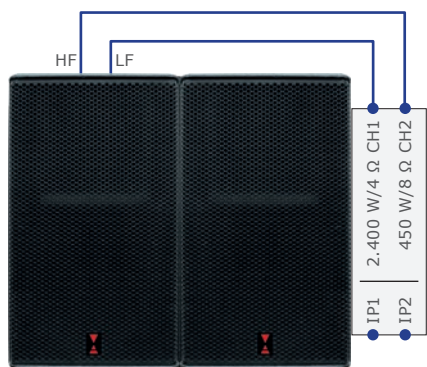
There are still 4 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills or monitoring.

\*optional 90 x 50° or 60 x 40° horn

## SubSat-15sp Set large-size

### Plug & Play Sound System Self-Powered

- 2 x Modular-15 bi-amping with horn 90° x 60°, transport & rain cover
- 2 x Modular-15sp bi-amping with transport & rain cover
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 4 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 4 x M20 rod with crank and »Ring Lock«
- 2 x Carrying bag for 2 x speaker stand/speaker rod
- 6 x 3 m Speakon cable (4 x 4 qmm)



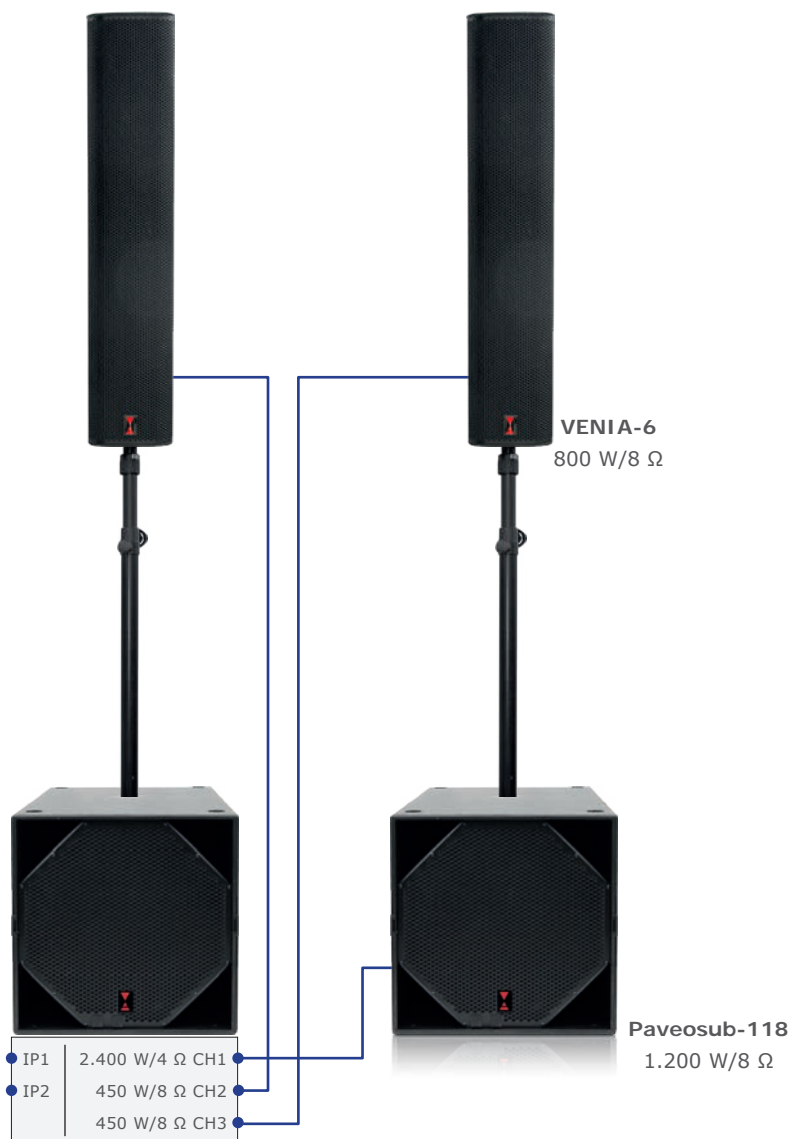
**Paveosub-118sp**  
1.200 W/8 Ω

There are still 8 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) available, e. g. for nearfills or monitoring.

## VENIA-6sp Set basic HPM (half-powered mode)

### Plug & Play Sound System self-powered

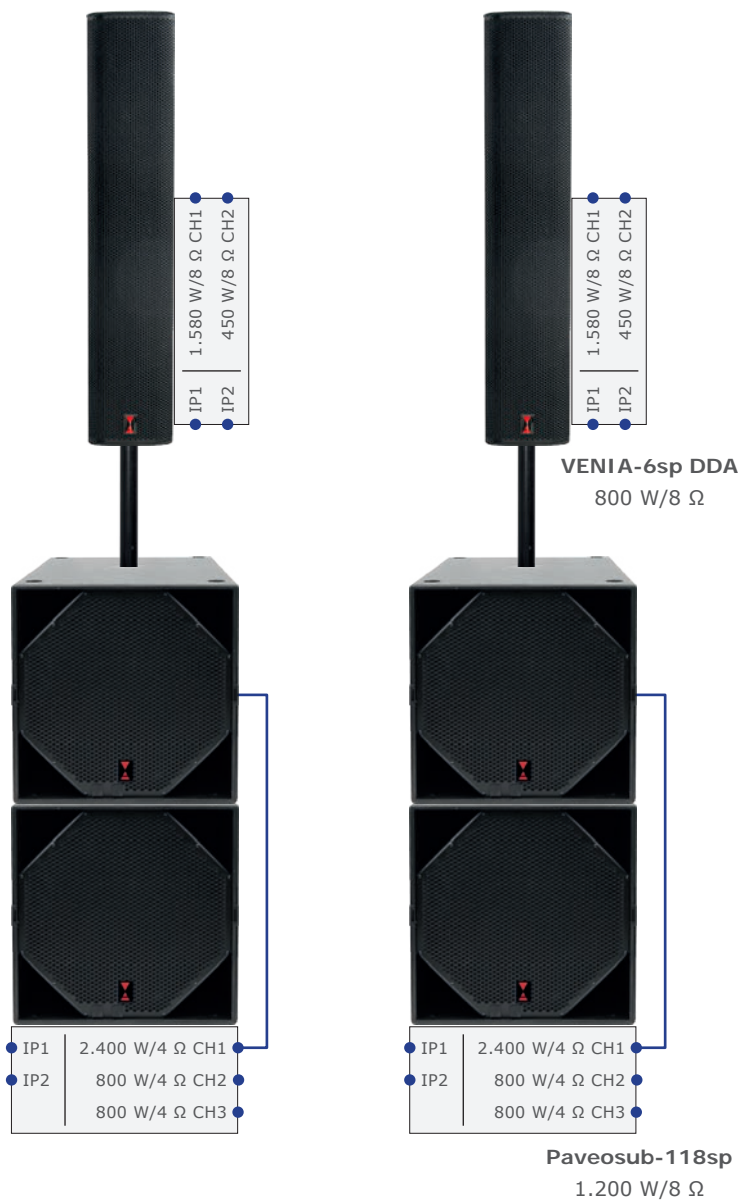
- 2 x VENIA-6sp DDA with 2 x Carrying bag for VENIA-6
- 1 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 1 x Paveosub-118sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 Adapter 250 mm
- 4 x Cable clamps
- 1 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)



## VENIA-6sp Set

### Plug & Play Sound System self-powered

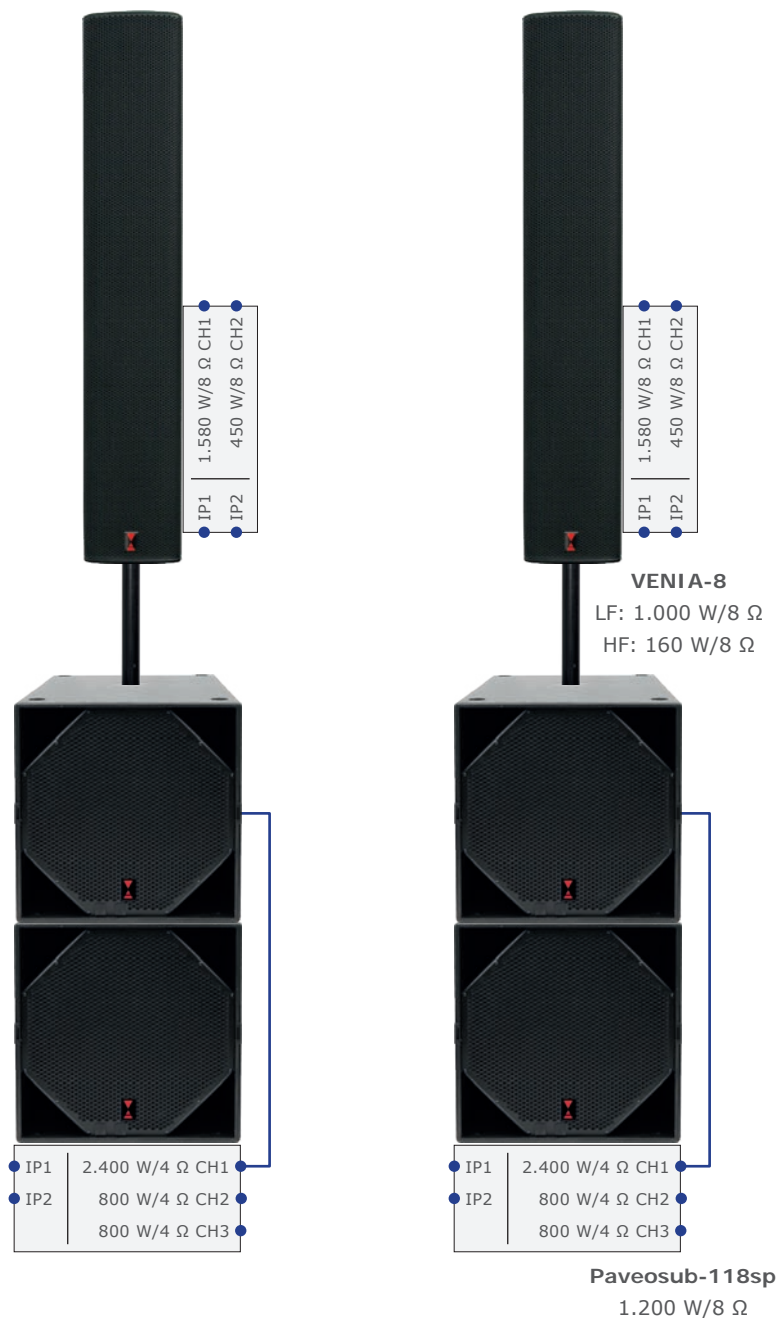
- 2 x VENIA-6sp DDA with 2 x Carrying bag for VENIA-6
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-118sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 Adapter 250 mm
- 4 x Cable clamps
- 2 x 3 m Speakon cable (4 x 4 qmm)



## VENIA-8sp Set basic

### Plug & Play Sound System self-powered

- 2 x VENIA-8sp DDA with 2 x Carrying bag for VENIA-8
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-118sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 Adapter 250 mm
- 4 x Cable clamps
- 2 x 3 m Speakon cable (4 x 4 qmm)

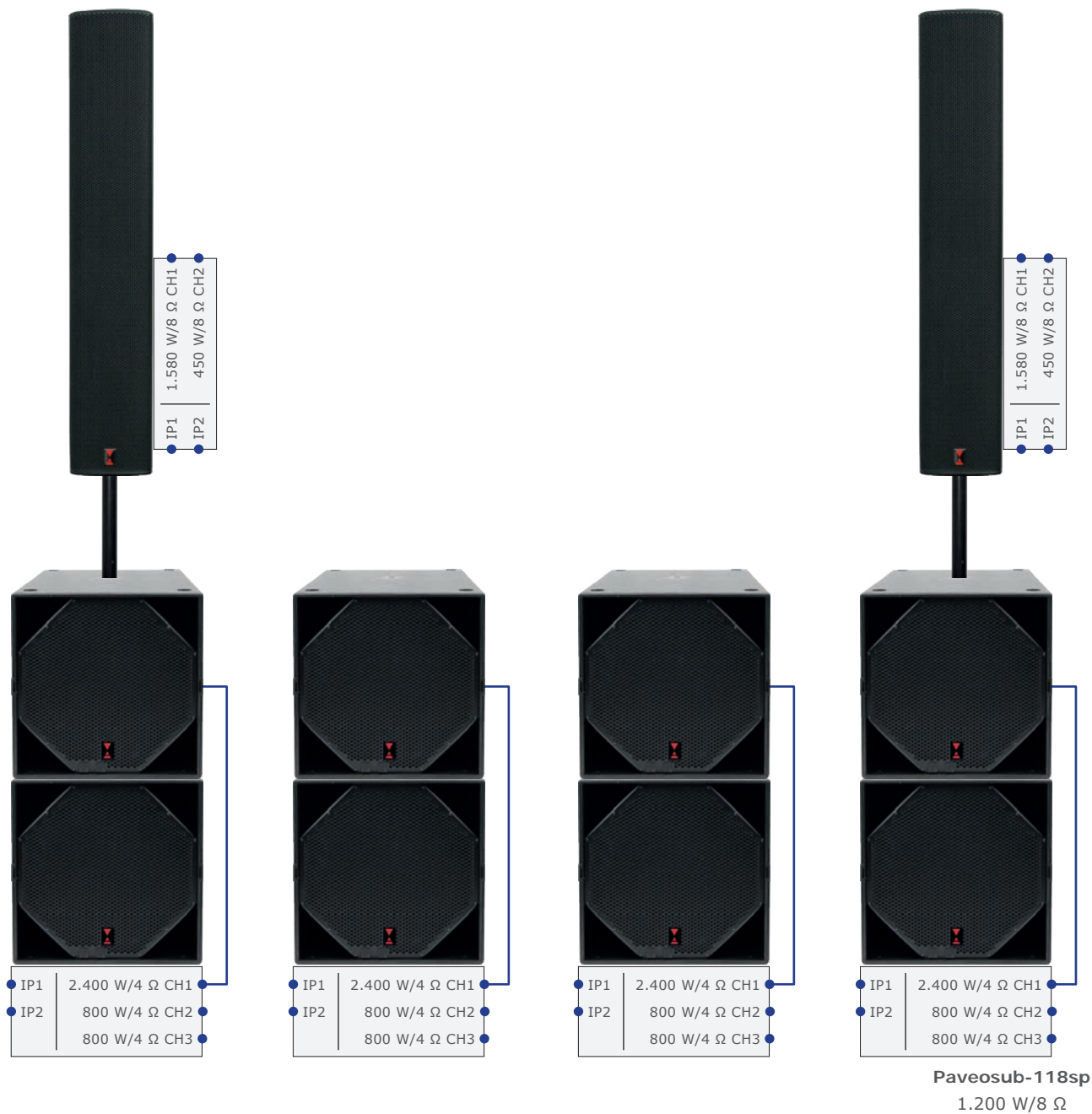


Es stehen noch 4 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) z.B. für Nearfills oder Monitoring zur Verfügung.

## VENIA-8sp Set

### Plug & Play Sound System self-powered

- 2 x VENIA-8sp DDA with 2 x Carrying bag for VENIA-8
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 4 x Paveosub-118sp with detachable front-wheel board, transport cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 Adapter 250 mm
- 4 x Cable clamps
- 4 x 3 m Speakon cable (4 x 4 qmm)

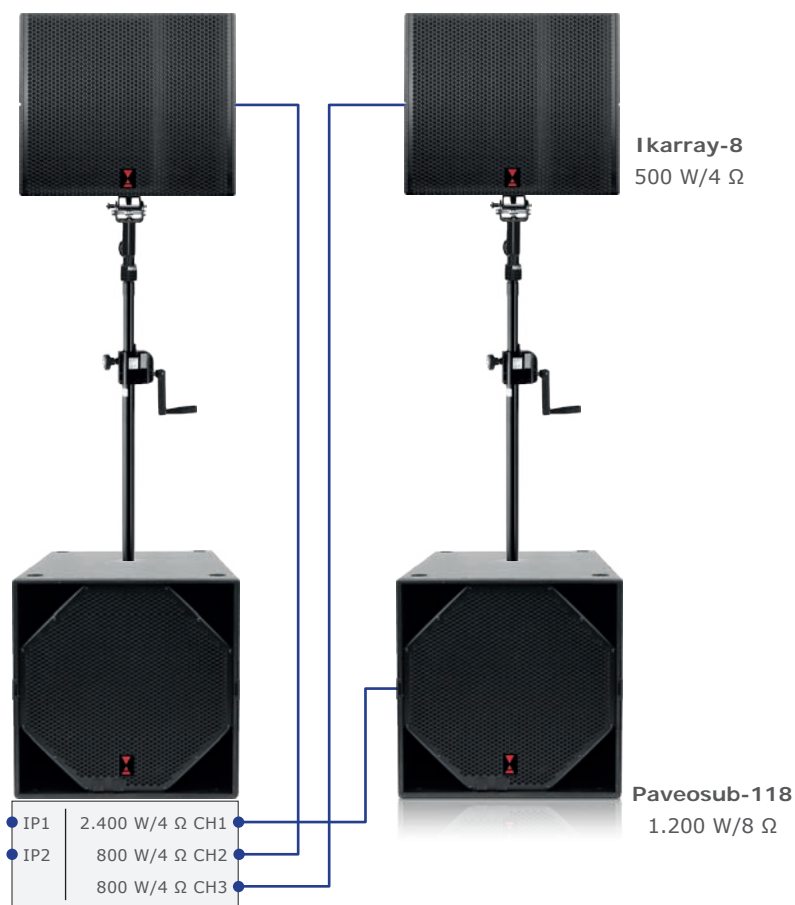


Es stehen noch 8 x (800 W/4 Ω / 450 W/8 Ω / 200 W/16 Ω) z.B. für Nearfills oder Monitoring zur Verfügung.

## Ikarray-8sp Set basic

### Plug & Play Sound System Self-Powered

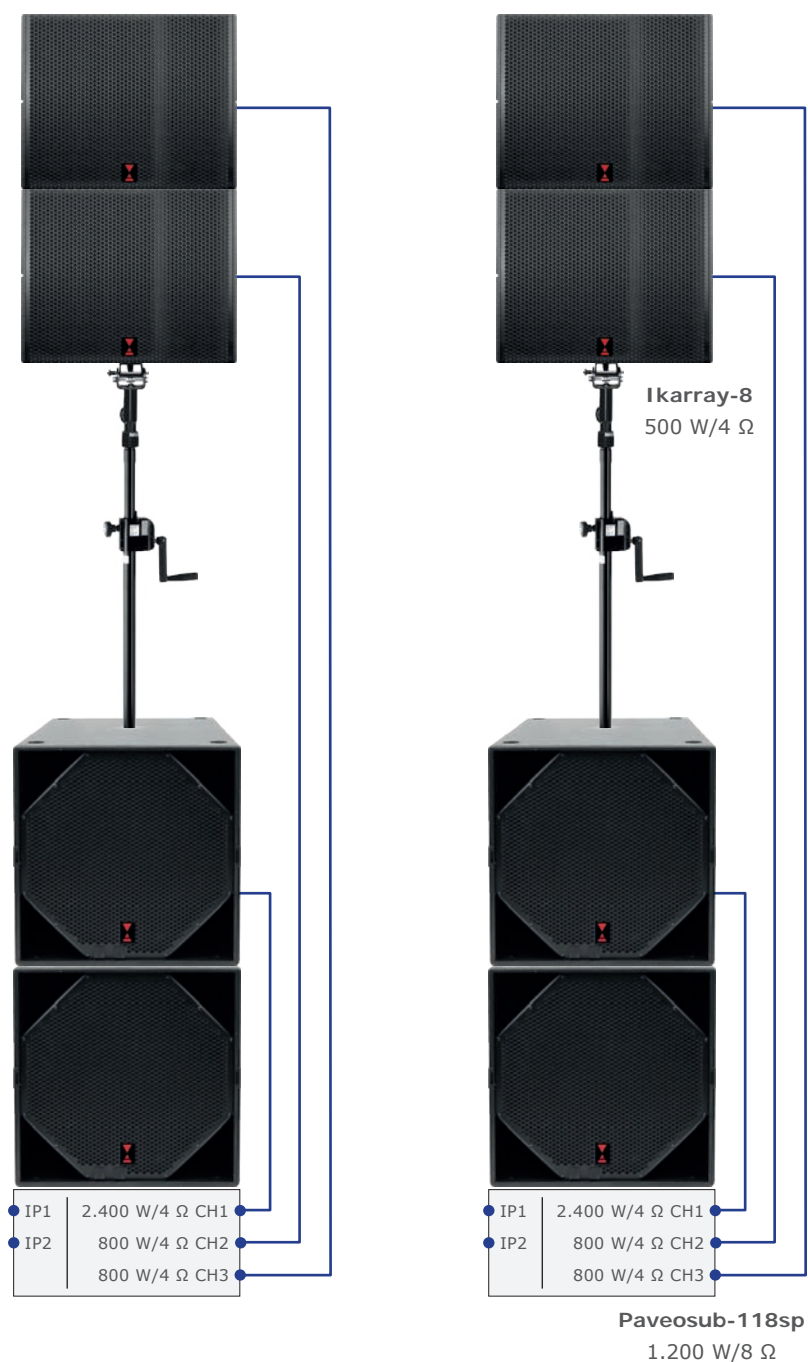
- 2 x Ikarray-8 /100° x 15°
- 2 x 2-in-1 flight and tripod mechanics for Ikarray-8
- 2 x Tripod transducer with M10 x 12 mm bolt
- 1 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 1 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with crank and »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 10 m, 1 x 3 m Speakon cable (4 x 4 qmm)



## Ikarray-8sp Set

### Plug & Play Sound System Self-Powered

- 2 x Ikarray-8 /100° x 15°
- 2 x Ikarray-8 /100° x 5°
- 2 x 2-in-1 flight and tripod mechanics for Ikarray-8
- 2 x Tripod transducer with M10 x 12 mm bolt
- 2 x Self lock clamp for pipe 48-51mm, 30mm wide, max. 250 kg
- 2 x Safety 6/1000
- 2 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 2 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable
- 2 x M20 rod with crank and »Ring Lock«
- 4 x Cable clamps
- 1 x Carrying bag for 2 x speaker stand/speaker rod
- 2 x 15 m, 2 x 10 m, 2 x 3 m Speakon cable (4 x 4 qmm)

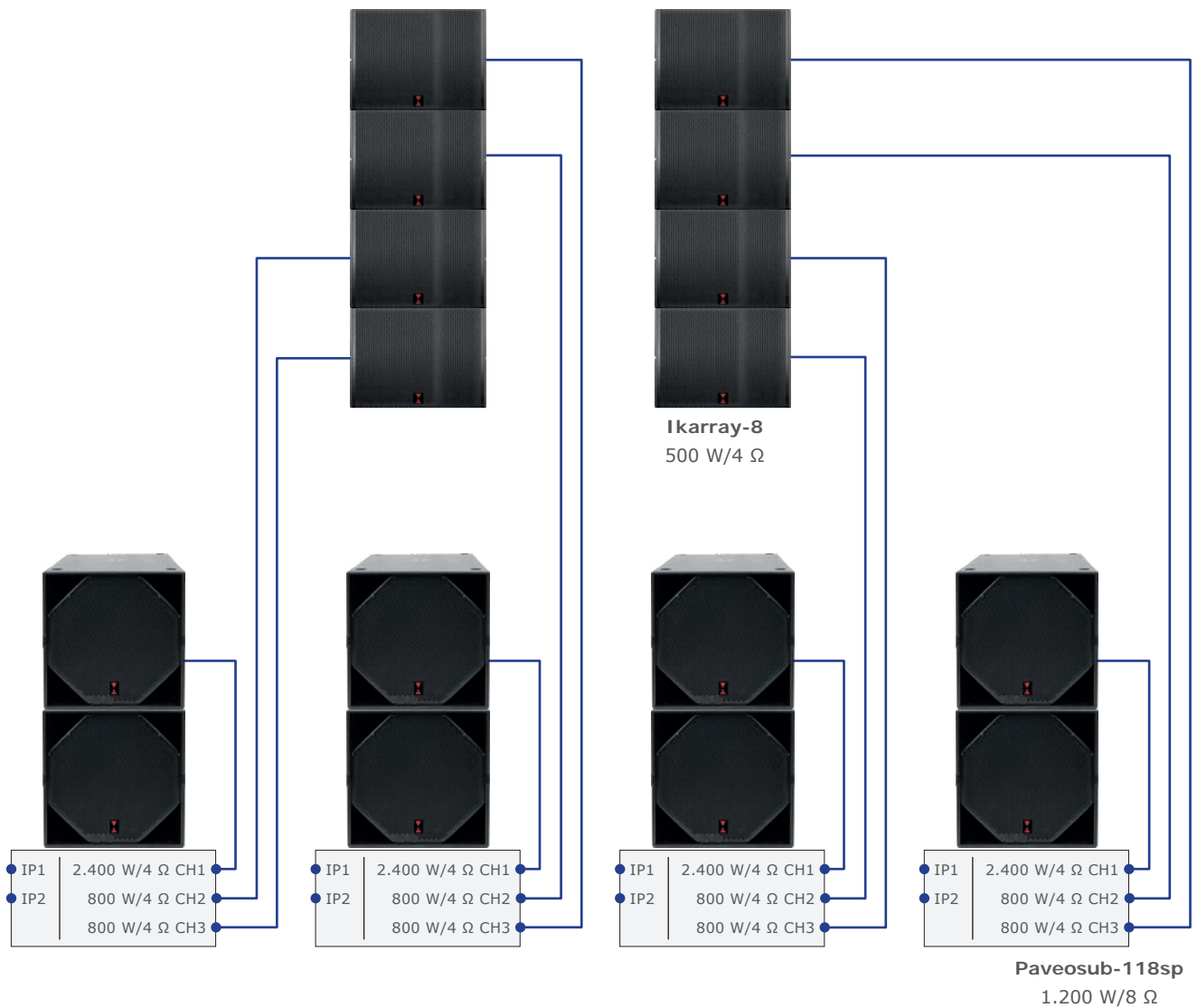




## Ikarray-8sp Set large

### Plug & Play Sound System Self-Powered

- 4 x Ikarray-8 /100° x 15°
- 4 x Ikarray-8 /100° x 5°
- 2 x 2-in-1 flight and tripod mechanics for Ikarray-8
- 4 x Paveosub-118 with detachable front-wheel board, transport & rain cover
- 4 x Paveosub-118sp with detachable front-wheel board, transport & rain cover with each 6 m powerCON TRUE1/Schuko cable





## Reference Installation

- State theater, Istanbul in Turkey. Ikarray-12, Paveosub-218
- New Parliament (all rooms), Seoul in South Korea. LA-Stick 4x4, Paveosub-112
- Church, Bucheon in South Korea. Modular-15, Modular-10, LA-Stick 4x4, Subhorn-115
- SPY, member club Moscow in Russia. Modular-10, Alea-4, LA-Sticks 4x4, Subhorn-115, Paveosub-112
- Kozlov, Jazz Club Moscow in Russia. Modular-10, CXN-16, Subhorn-115
- Banquet hall, Moscow in Russia. Modular-15, Modular-10, TS-212, Subhorn-115
- Soho Club, Guangzhou in China. Ikarray-12, CXN-16, Paveosub-118
- Hutoali, music restaurants, Guangzhou in China. LA-Sticks 4x4, Paveosub-118
- ADNOC lounge, Abu Dhabi. Alea-4, Paveosub-112
- Rooftop Club, Abu Dhabi. Modular-10, LA-Stick 4x4, Alea-4, Paveosub-112
- Das Bett, live Rock Club, Frankfurt in Germany. Modular-15, Modular-10, CXN-16, Paveosub-218
- JazzTro, Jazz Club, Bremen in Germany. Modular-15, CX-8, Subhorn-115
- Dynasty, Club & Restaurant, Siegen-Geisweid in Germany. Modular-10, LA-Stick 4x4, Alea-4, Paveosub-118
- Basement, Hardstyle Club, Plön in Germany. Modular-10, Paveosub-112
- La Habana Club, Bremen in Germany. Modular-15, Subhorn-115
- Schauspielhaus, Hamburg in Germany. Alea-4
- City hall, Nordenhamm in Germany. Modular-15, Subhorn-115
- Glasi, glass labyrinth Hergiswil in Switzerland. CX-8, Paveosub-115
- Hotel Murten, banquet hall, Murten in Switzerland. TS-212, CX-8, Paveosub-118
- Cabana Beach Bar Halkidiki, Thessaloniki in Greece. LA-Stick 4x4, Paveosub-118
- LUVIN Club, Thessaloniki in Greece. LA-Stick 4x4, Paveosub-118
- Many other bars, restaurants, dancing schools, school auditorium in different countries

All installations were equipped with Voice-Acoustic system electronics: HDSP system amplifiers or loudspeakers in self-powered version.

## Reference Touring

- Ferdinands Feld, EDM festival, Germany. 3 of 4 stages with Voice-Acoustic + DJ-Monitoring. Mainstage 24x Ikarray-12, 16x Paveosub-218, 2x CXN-16, 4x Paveosub-118, 2x Modular-15 nearfill, 2x PD-32-6, 1x HDSP-12, 12x HDSP-6A in stackracks. Terminal 2: 4x Modular-15 in horizontal array, 12x Subhorn-115. Drum&Bass stage: 2x Modular-15, 4x Paveosub-118.
- Jazzahead! Jazz Festival, Germany. CXN-16
- C-Jam Club, Jazz Orchestra, Moscow, Russia. Mod15, Mod-10, Subh115
- Eier mit Speck, Rock Festival, Germany. CXN-16
- Jazz in the Hermitage Garden Moscow, Russia. Mod15, Mod-10, Subh115
- PIN Festival, EDM, Germany. Ikarray-12, Paveosub-118
- Jazz-Port-Night with Gitte Haenning Band, Germany. CXN-16, Paveosub-118
- SeasideJam, Jazz + Funk & Soul Festival, Germany. CXN-16, Paveosub-118
- Summer Sensation, EDM Event, Germany. Modular-15 in horizontal array, Paveosub-218
- Hill of Dreams, EDM Festival, Germany. Modular-15, Paveosub-218
- Kappeler Schlagernächte, Switzerland. Ikarray-12, Modular-10, CXN-16, LA-Stick 4x4, Subhorn-115.
- The Resistance, Hardstyle Event, Switzerland. Modular-15 in horizontal array, Subhorn-115
- The Arena, Hardstyle Event, Switzerland. Modular-15 in horizontal array, Subhorn-115
- Northern Lite concert, Germany. Modular-15 in horizontal array, Modular-10, Paveosub-118
- Streetparade Zurich in 2009, 2012, 2013, Techno Parade, Switzerland. Modular-15, TS-212, Modular-10, Subhorn-115
- Badi Open Air, Switzerland. Modular-15 in horizontal array, Subhorn-115
- Many different folk festivals in Germany, for example: Brockser Markt, Landeskirmesburschentreffen LKTB 2013, Domweih.
- Gestört aber Geil, famous DJ actor concert, Germany. Modular-15 in horizontal array, Modular-10, Paveosub-118
- Lexy & K-Paul, famous DJ actor concert, Germany. Modular-15 in horizontal array, TS-212, Paveosub-118
- Olaf Schubert, famous Comedian, Sparkassen-Arena Jena in Germany. Ikarray-12, Modular-15, Modular-10, CXN-16, Paveosub-118
- Patricia Kelly on tour, member of Kelly Family, Germany. Modular-15, Modular-10, Paveosub-118
- Different ball events in 4 and 5 stars hotels Atlantik, Maritim, Radisson.
- Corporate events for different firms in different countries sounding with Voice-Acoustic: VW, Mercedes, BMW, John Deere, Sparkasse, Volksbank, Ford, Solar World, Land Rover, Philip Morris, Omega, Uniback Deutschland, Master Food, Bremen Motors, Block Transformatoren, NATO, Cordes & Graefe, Focke & Co, Mars GmbH, Smurfit Europa Carton AG, THW, TNT, Wiebe, Vemag, Zürich Group and many other.



Ferdinands Feld, EDM Festival Mainstage, Germany



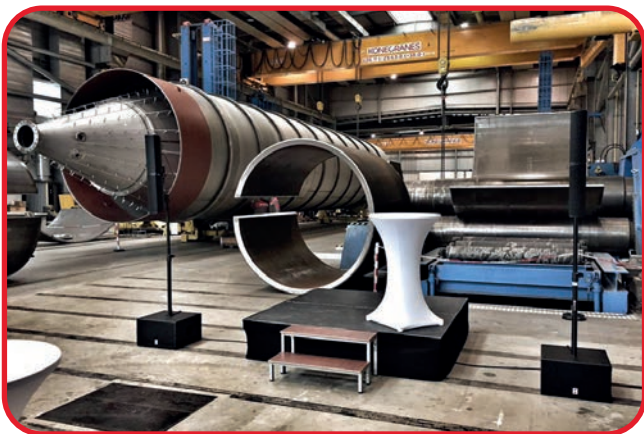
Ferdinands Feld, EDM Festival Mainstage, Germany



Ferdinands Feld, EDM Festival, Germany



Ferdinands Feld, EDM Festival, Germany



Corporate Event Austria, Example for LA-Sticks



Corporate Event Austria, Example for LA-Sticks



Kozlov Jazz Club Moscow, Russia



Kozlov Jazz Club Moscow, Russia



Atlantik Kempinski Hotel Hamburg, Germany



Atlantik Kempinski Hotel Hamburg, Germany



SPY, member club Moscow, Russia



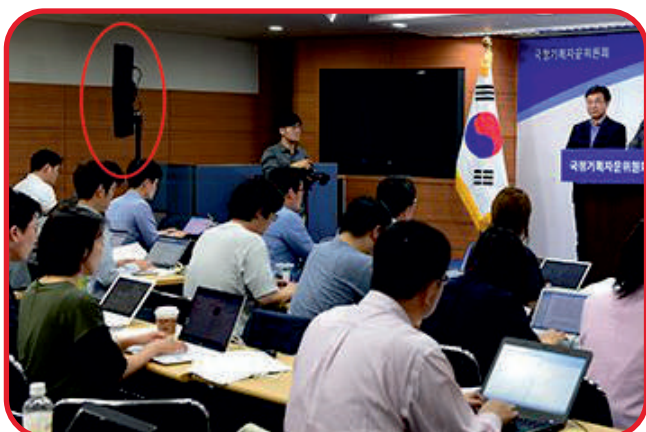
SPY, member club Moscow, Russia



Streetparade Zurich, Switzerland



Streetparade Zurich, Switzerland



New Parliament (all rooms), Seoul in South Korea



New Parliament (all rooms), Seoul in South Korea



Ball in Austria



Ball in Austria



Banquet Hall, Russia



Banquet Hall, Russia



Luvin Club, Greece



Luvin Club, Greece



Jazzahead! Jazz Festival, Germany



Jazzahead! Jazz Festival, Germany



Sparkassen-Arena Jena, Germany



Sparkassen-Arena Jena, Germany



Lexy & K-Paul, famous DJ actor concert, Germany



Lexy & K-Paul, famous DJ actor concert, Germany



Landeskirmesburschentreffen, folk festival, Germany



Landeskirmesburschentreffen, folk festival, Germany



Eier mit Speck, Rock Festival, Germany



Eier mit Speck, Rock Festival, Germany



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## My Voice-Acoustic-App

