

INSTALLATIONS



IPD PASSIVE SPEAKER SYSTEM SOLUTIONS >

› USER-FOCUSED INSTALLATION SOLUTIONS

The focus of our work is to provide our customers with solutions that are easy to implement. We are guided by the needs of our users. In close cooperation with leading engineers and musicians, we have produced a great number of innovative solutions over the years. From large touring PAs and extensive sound systems for open-air events with more than 50,000 spectators to portable active systems, HK AUDIO now develops audio solutions for almost every conceivable application.

With the following system proposals, we are offering you a new generation of highly efficient, immediate installation solutions for our passive loudspeaker series.* In combination with the groundbreaking new controller amps from the Swedish specialists Lab.gruppen, new system solutions are now possible that set new standards in terms of ease of use, features and value for money.

The focus here is on venues where economic efficiency is as important as acoustic excellence. These include, for example, churches, theaters, conference centers, sports halls, lounges, bars, training facilities, and many other varied locations. For each product range, you will find two system proposals. In each proposal, the efficiency of perfectly matched – and therefore optimally employed – components is demonstrated.

System solutions are made even simpler thanks to the availability of Filter Sheets – including EQing/filtering and limiting information – for Lab.gruppen's IPD controller amps*, as well as LoadLibrary Files for LINEAR 5, CONTOUR and CONTOUR ARRAY. Furthermore, Ease Files for all the product ranges shown in this brochure – and Ease Focus 2 files for ELEMENTS, LINEAR 5, CADIS, CONTOUR ARRAY, COHEDRA COMPACT and COHEDRA – are available for free download on hkaudio.com, alongside the Ease Focus 2 software itself.

As always, the HK AUDIO team is available to answer any questions you may have.

* Except COHEDRA and COHEDRA COMPACT. For these ranges, we recommend the POWER RACK 8 (PR 8) and POWER RACK 16 (PR 16) in conjunction with the FIRNET CONTROLLER, the CPQ 10 POWER AMP and the PATCHBAY PB-6.

INDEX >

ELEMENTS	7
ELEMENTS – Install Kit Column Configurations	9
ELEMENTS – Church	10
ELEMENTS – Multifunctional Hall	12
ELEMENTS – Models & Accessories	14
VORTIS	19
VORTIS – Sports Venue	20
VORTIS – Theater	22
VORTIS – Models & Accessories	24
IL SERIES	27
IL – LIVE PUB	28
IL – CLUB	30
IL – Models & Accessories	32
CADIS	37
CADIS – MODERN THEATER	38
CADIS – STADIUM	40
CADIS – Models & Accessories	42
LINEAR 5	44
LINEAR 5 – Small Live Club	46
LINEAR 5 – Efficient Dance Club	48
LINEAR 5 – Models & Accessories	50
CONTOUR	53
CONTOUR – LOUNGE BAR	54
CONTOUR – Models & Accessories	56
CONTOUR ARRAY	59
CONTOUR ARRAY – SIMPLE LIVE CLUB	60
CONTOUR ARRAY – EFFICIENT BIG LIVE VENUE	62
CONTOUR ARRAY – Models & Accessories	64

> ELEMENTS INSTALL

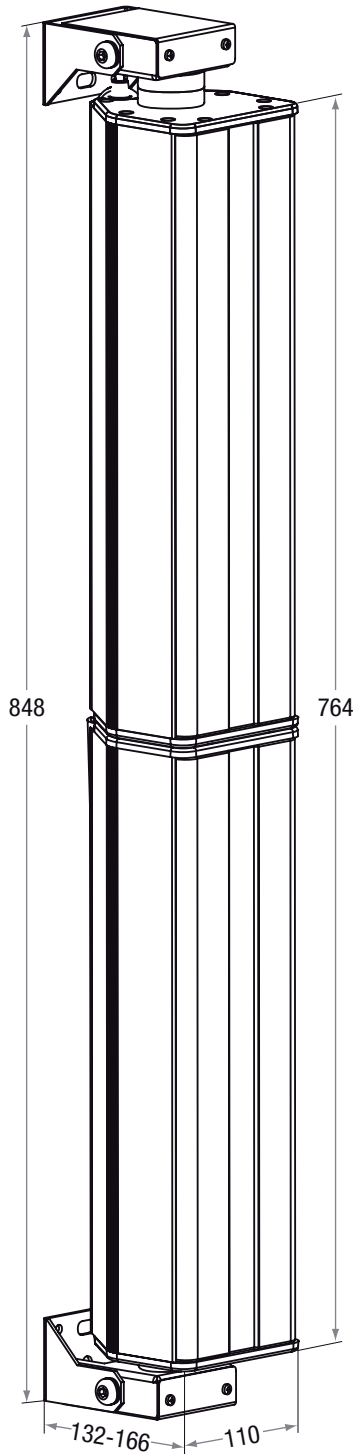


ELEMENTS is a scalable columnar system that offers the utmost flexibility when it comes to deployment. Available in black or white, these pillars' elegant, understated looks ooze quality and fit in with every type of decor. Able to deliver signals across considerable distances with remarkable speech intelligibility, ELEMENTS is the perfect choice for acoustically challenging environments such as churches, atriums, fairs and the like. Subwoofers are also available to extend ELEMENTS' fullrange performance capabilities.

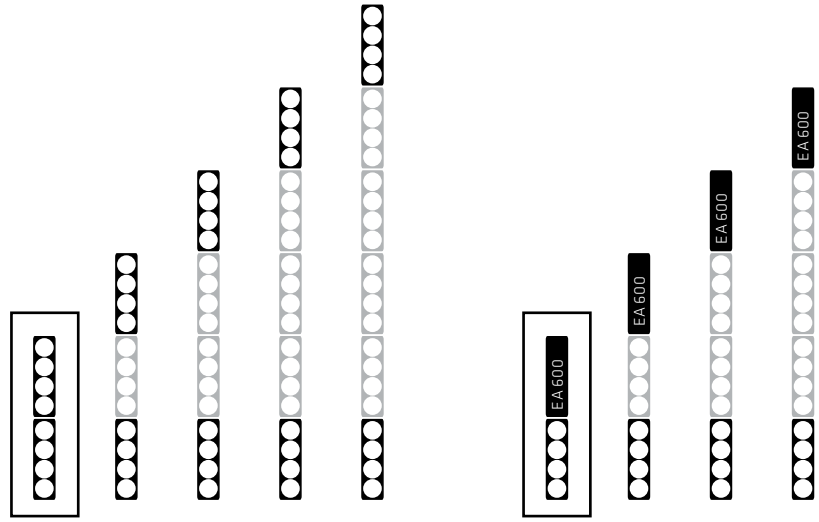
On the following pages are two system proposals for using Elements INSTALL. These examples demonstrate the efficiency of perfectly matched – and therefore optimally employed – components.

All the components featured in these examples, and in all our other system solutions, can be ordered directly from your local official HK AUDIO distributor.

➤ ELEMENTS - INSTALL KIT COLUMN CONFIGURATIONS AND DIMENSIONS



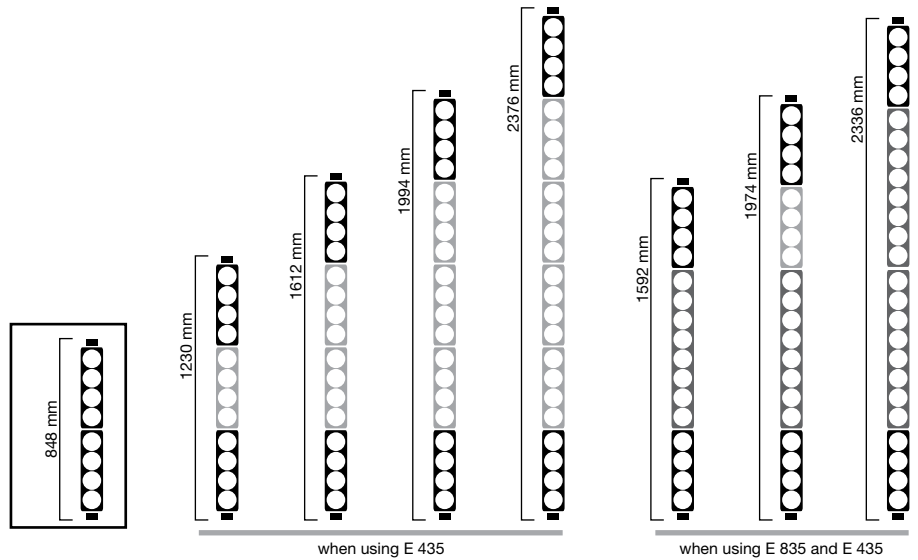
INSTALL KIT COLUMN CONFIGURATIONS



Install Kit E 435
plus max. 4x E 435 optional
(or 2x E 835)

Install Kit E 435 A
plus max. 3x E 435 optional
(or 1x E 435 plus 1x E 835)

INSTALL KIT COLUMN DIMENSIONS (INCL. WALL BRACKETS)



ELEMENTS - CHURCH >



BLOCK DIAGRAM

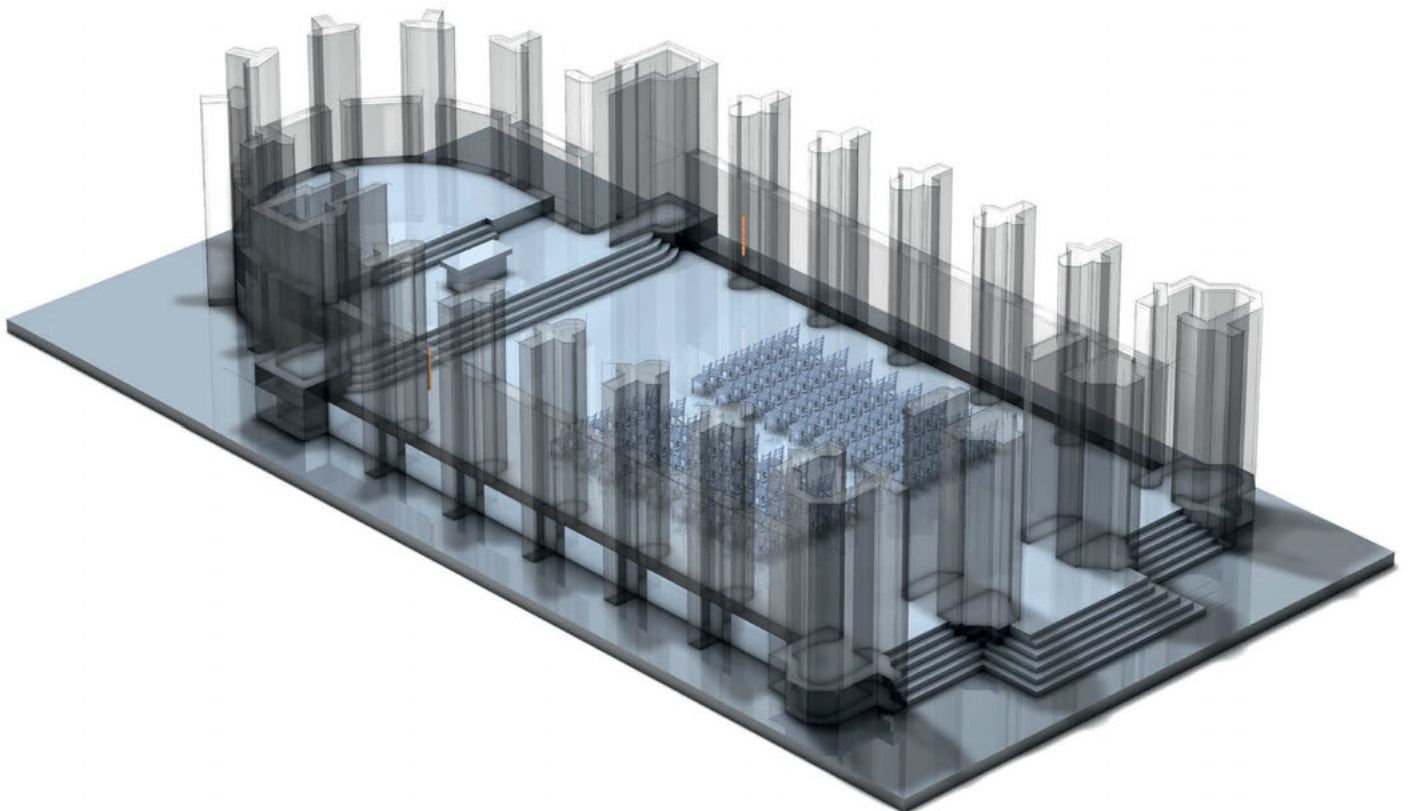


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP**
1 main L	E 435	150 W / 16 Ω	4	600 W / 4 Ω	600 W / 4 Ω
2 main R	E 435	150 W / 16 Ω	4	600 W / 4 Ω	600 W / 4 Ω

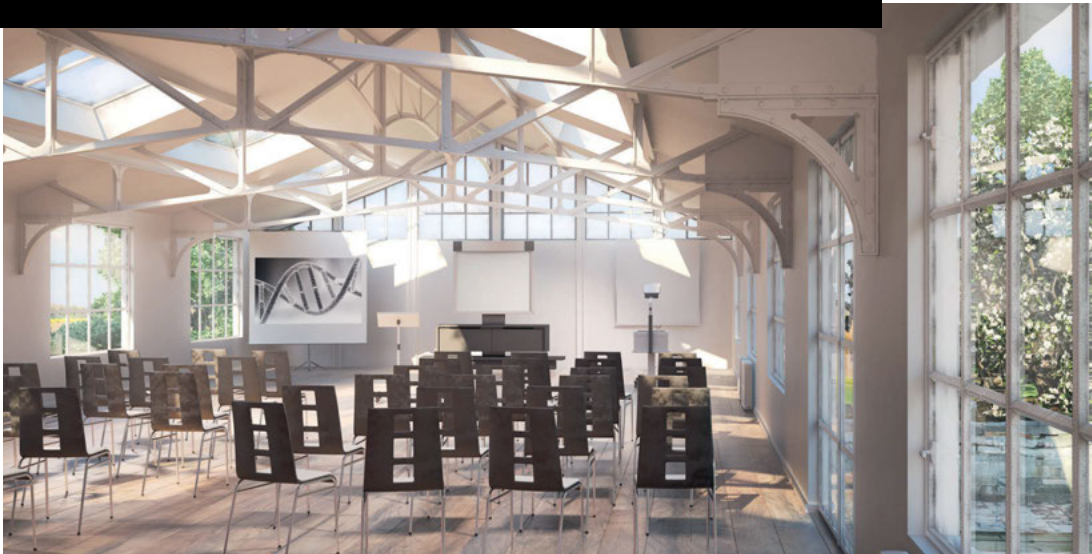
* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

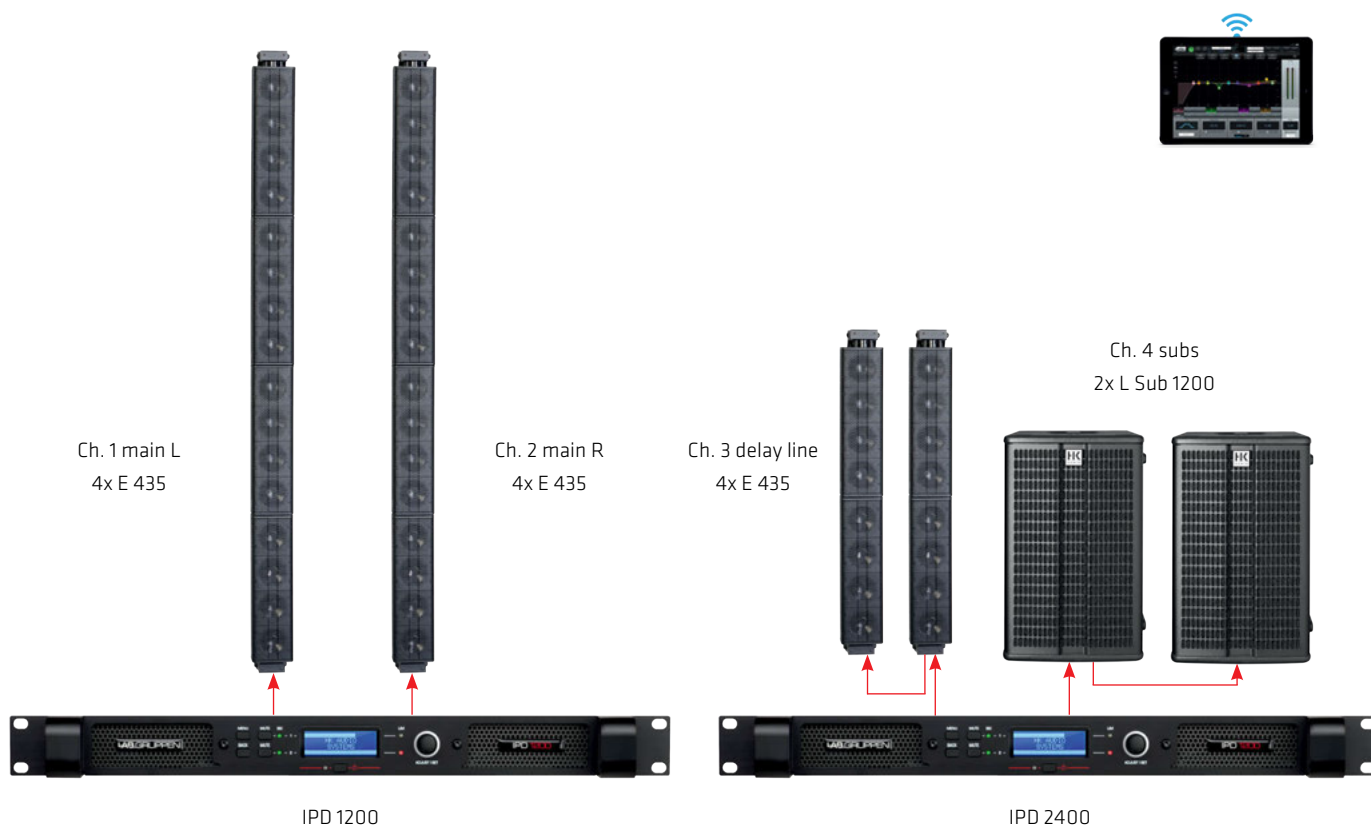
- Remarkable speech intelligibility all the way to the back row
- Available in black, white and all established RAL colors
- Reduced feedback sensitivity
- Networked control via IntelliDrive Controller™ with iPad or PC (IPD)
- Binding post and Neutrik Speakon connectors (IPD)
- AES/EBU and analog inputs with redundant failover (IPD)



ELEMENTS - MULTIFUNCTIONAL HALL >



BLOCK DIAGRAM

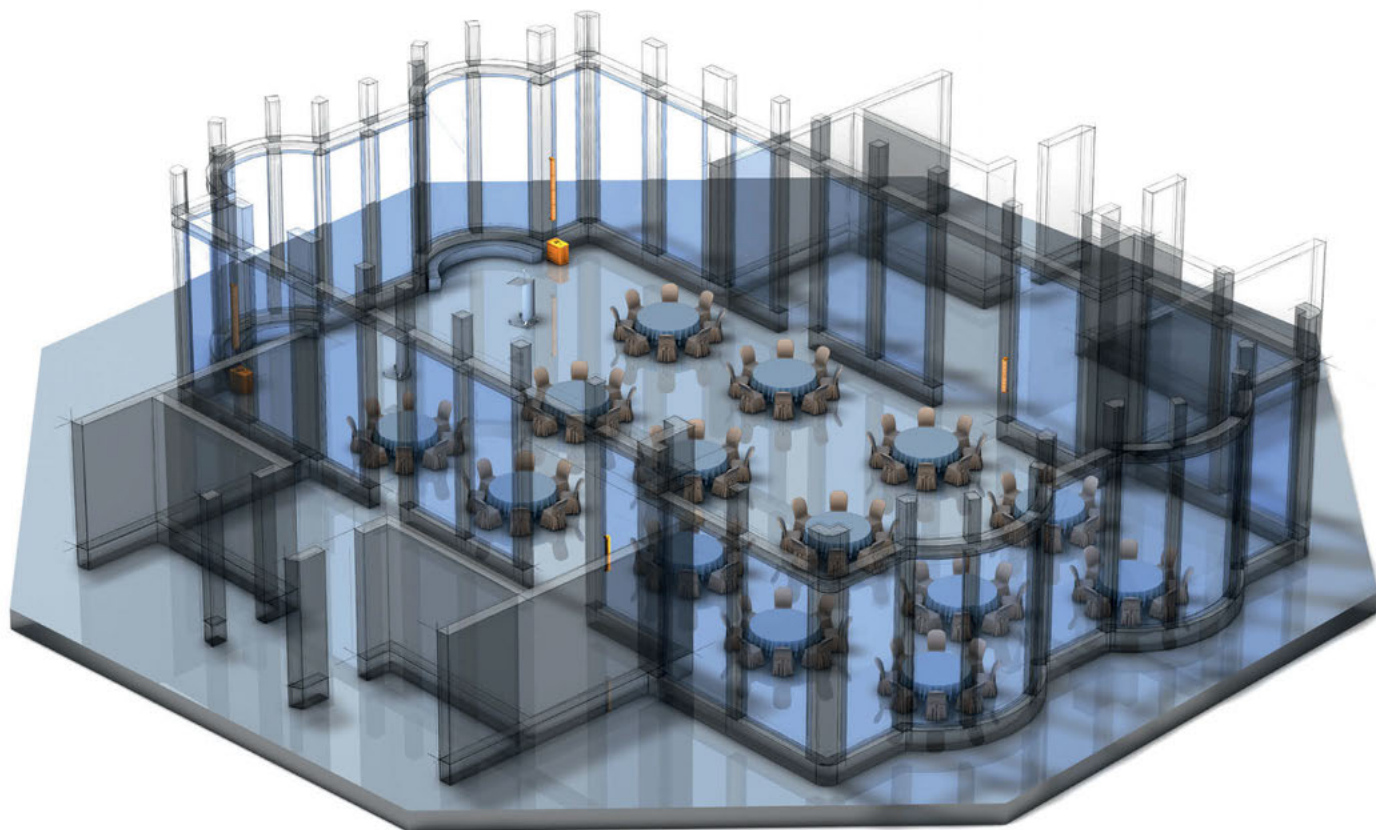


CHANNEL	PRODUCT	WATT (RMS) UNIT*	UNITS	WATT (RMS) ALL CABINETS	MAX. OUTPUT AMP **
1 main L	E 435	150 W / 16 Ω	4	600 W / 4 Ω	600 W / 4 Ω
2 main R	E 435	150 W / 16 Ω	4	600 W / 4 Ω	600 W / 4 Ω
3 delay line	E 435	150 W / 16 Ω	4	600 W / 4 Ω	1200 W / 4 Ω
4 subs	L Sub 1200	600 W / 8 Ω	2	1200 W / 4 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

* max output power per channel driven IPD 1200 / IPD 2400

- Luscious sound with remarkable speech intelligibility all the way to the back row
- Available in black, white and all established RAL colors
- Reduced feedback sensitivity
- Networked control via IntelliDrive Controller™ with iPad or PC (IPD)
- Binding post and Neutrik Speakon connectors (IPD)
- AES/EBU and analog inputs with redundant failover (IPD)



› ELEMENTS - MODELS & ACCESSORIES



E 835
Mid/High Unit

Our engineers developed the E 835 mid/high unit to afford you even greater stability when you want to set up bigger systems. Loaded with eight speakers, it can handle 300 watts at 8 ohms impedance. The E 835 comes highly recommended when you want to minimize the number of mechanical connections. The E 835 and E 435 mid/high units' design and tuning are identical, so feel free to combine them.

ITEM #
1007081



E 435
Mid/High Unit

Made of extruded aluminum and featuring true line array technology, the mid/high unit delivers a homogeneous, natural-sounding response, rendering voices and instruments with astonishing authenticity. A novel coupler/ bus combination called E-Connect provides a fast, convenient means of linking it to other elements. The acoustical properties of two E 435s are identical to those of one E 835.

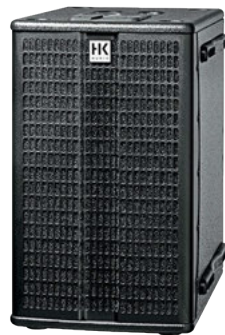
ITEM #
1006601



E 210 SUB AS
System Subwoofer

The new E 210 Sub AS system subwoofer comes with two 1,200-watt amps in its engine room. Power amp number one drives the two internal 10" woofers, with plenty of juice left over to run an external passive type L Sub 1200. The second power amp delivers 900 watts at 2.6 ohms to drive up to three E 835s (or six E 435s).

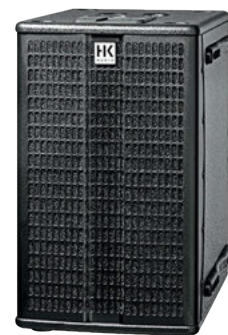
ITEM #
230 V: 1007084 **120 V: 1007252**
240 V: 1007251 **100 V: 1007253**



E 110 SUB AS
System Subwoofer

The E110 Sub AS is remarkably compact and light, yet its two onboard 600-watt power amps deliver twice the performance of the E110 Sub A. And that makes this subwoofer the perfect choice if you wish to flexibly extend an ELEMENTS PA system. You can run up to two subwoofers and mid/high units for a total of 16 fullrange speakers per stereo side.

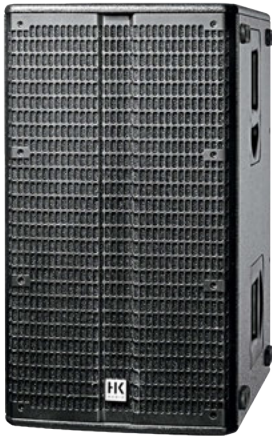
ITEM #
230 V: 1007279 **120 V: 1007281**
240 V: 1007280 **100 V: 1007282**



E 110 SUB A
Active Subwoofer

The surprisingly handy 10" subwoofer delivers a tight, low-ranging bass foundation. Its 600-watt, Class-D power amp can also drive two mid/high units or another passive subwoofer. Equipped with two E-Connect ports, the sub unit can be placed horizontally or vertically to serve as a base for further components. The ergonomic carrying handle on the top panel makes it easy to tote.

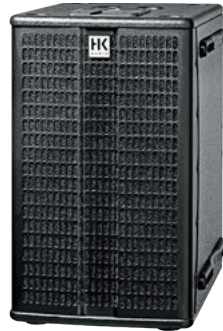
ITEM #
230 V: 1006599 **120 V: 1006805**
240 V: 1006696



L SUB 1200
Passive Subwoofer

This passive sub is the ideal add-on for applications that demand even more muscular low-end performance. It sources its power from the E 210 Sub A active subwoofer. A subwoofer with two 10" woofers housed in a bass reflex enclosure, the L Sub 1200's hair-trigger response delivers tight, punchy bass signals ranging down to 38 Hz.

ITEM #
1007066



E 110 SUB
Passive Subwoofer

This passive subwoofer is the perfect add-on for applications demanding even more powerful low-end response. It is powered by a connected E 110 Sub AS, E 110 Sub A or EA 600 amp module. It also sports an E-Connect port for mid/high units with the amp module.

ITEM #
1006600



EA 600
Power Amp

Sharing the mid/high unit's elegant design, the power amp is a perfect visual and mechanical match. Its 600-watt, Class-D power amp provides plenty of juice to drive four E 435 mid/high units or a passive E 110 Sub and two E 435 mid/high units.

ITEM #
230 V: 1006602 **120 V: 1006615**
240 V: 1006633 **100 V: 1006614**

EF 45
Base



The base accommodates the mid/high units, amp module, and mounting pole. Its extendible feet ensure the mounted elements sit on a stable, secure platform.

- Stable system base with a small footprint
- Integrated E-Connect bus
- Two parallel NL4 ports
- 45-51 x 31 x 12.5 cm; 7.7 kg

ITEM #
1006603

EP 1/EP 2
Speaker Poles



These speaker poles are unlike any other. They enable a simple, speedy setup for smaller configurations. Freely adjustable, they forward the signal to the top-mounted mid/high units via the internal E-Connect coupler/bus - no speaker cords necessary.

- Anodized aluminum with twist-lock fastener
 - EP 1: Adjustable height from 95 to 160 cm
 - EP 2: from 44 to 60.5 cm
 - Integrated E-Connect bus
 - Exceedingly light weight
- EP 1 = 0.8 kg
EP 2 = 0.5 kg

ITEM #
EP 1: 1006604
EP 2: 1006668

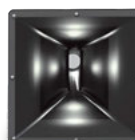
> VORTIS



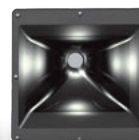
The VORTIS series was engineered specifically to live up to the towering expectations for today's upscale indoor installations. It comprises of six high-performance enclosures. Notably, these passive fullrange speakers' coverage pattern may be adjusted individually. Their hallmark feature is a newly developed set of high-frequency horns with the same dimensions but different directivities. The horns' mouths are square so they can all be rotated, giving sound designers and audio techs plenty of patterns to choose from when installing these speakers.

Three choices of horn are available for each cab:

- 90° horizontal x 55° vertical
- 60° horizontal x 40° vertical
- 60°-90° horizontal, (asymmetrical) x 55° vertical



90° x 55°



60° x 40°



asymmetric

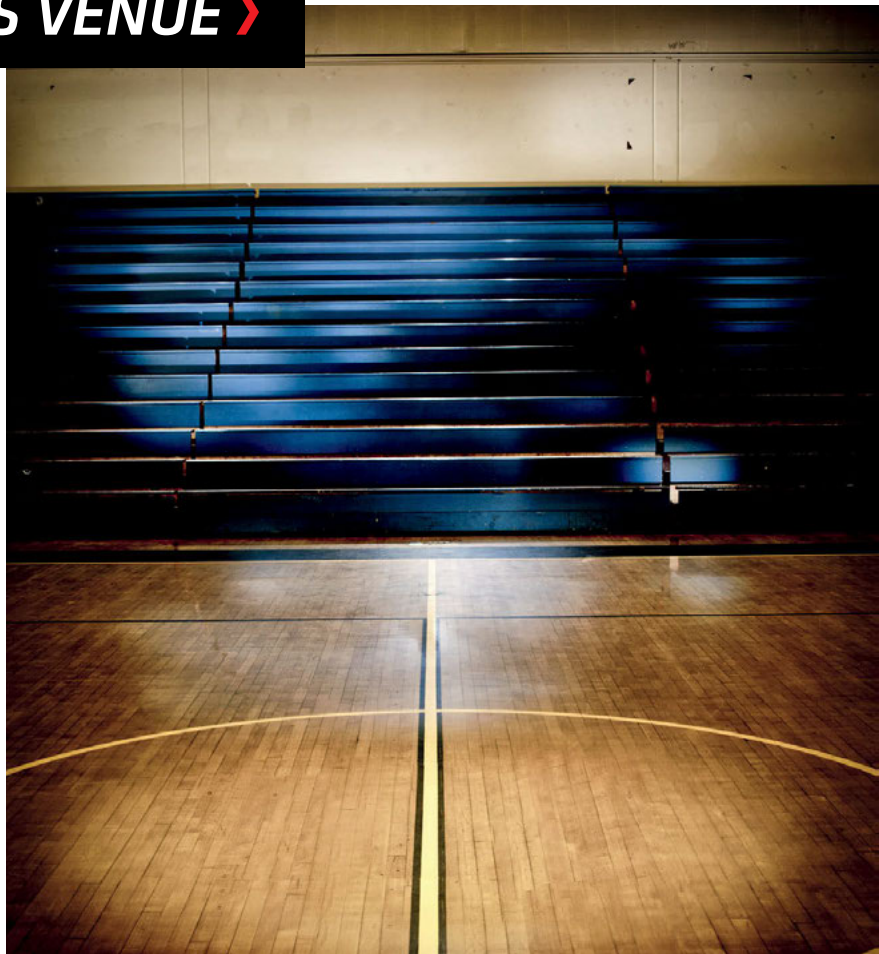
VORTIS series cabinets blend nicely with the architecture of both modern and classic buildings thanks to their stylish look of subdued elegance. Fronts are covered in an acoustical grille cloth that, like the housings, comes in black and white and is available at short notice in many RAL colors.

The MDF enclosures are coated with impact-resistant paint and equipped with M10 threaded bushings for HK AUDIO mounting hardware.

On the following pages are two system proposals for using VORTIS in combination with the new Lab.gruppen IPD controller amps. These examples demonstrate the efficiency of perfectly matched – and therefore optimally employed – components.

All the components featured in these examples, and in all our other system solutions, can be ordered directly from your local official HK AUDIO distributor.

VORTIS - SPORTS VENUE >



BLOCK DIAGRAM

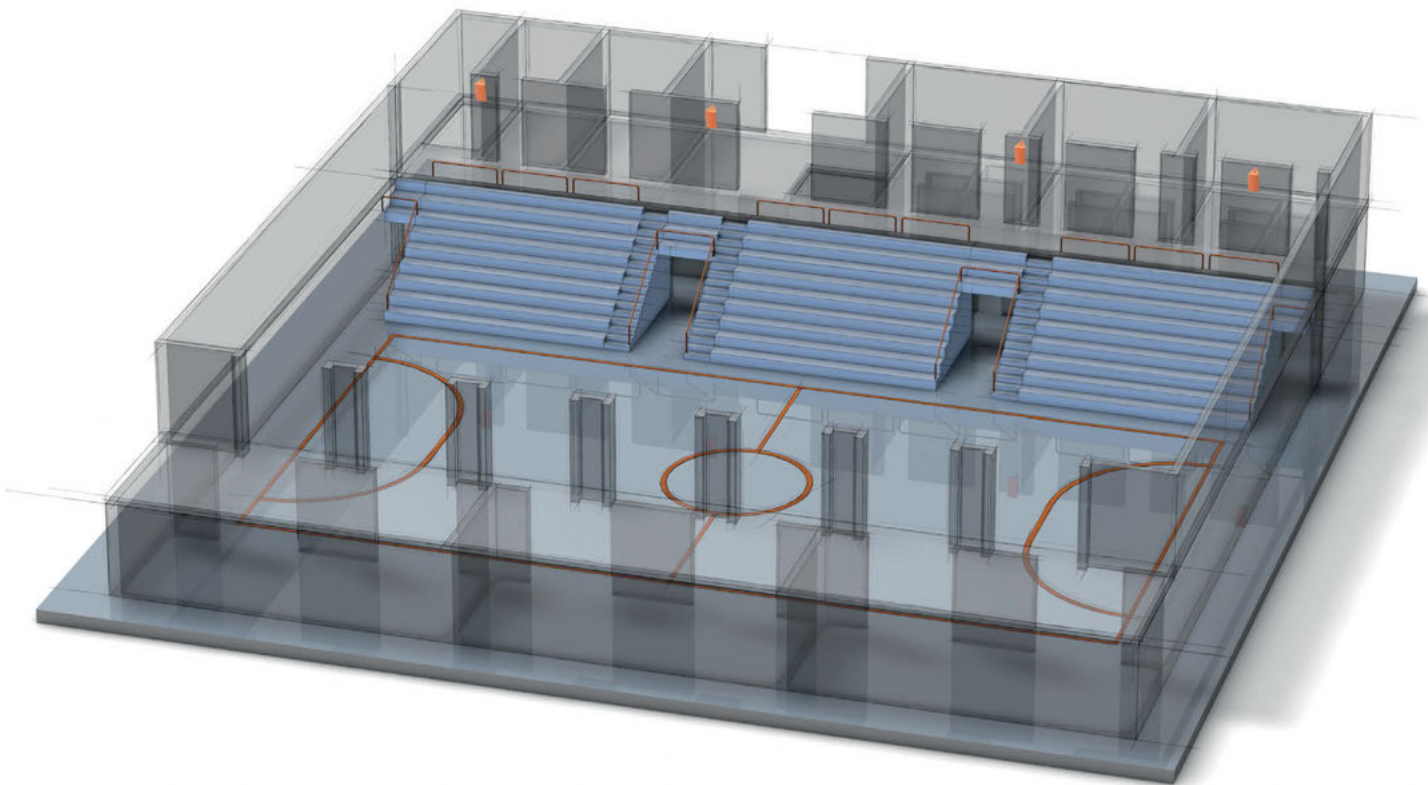


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 zone 1 & 2	VR 11214	350 W / 8 Ω	2	700 W / 4 Ω	1200 W / 4 Ω
2 zone 3 & 4	VR 11214	350 W / 8 Ω	2	700 W / 4 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

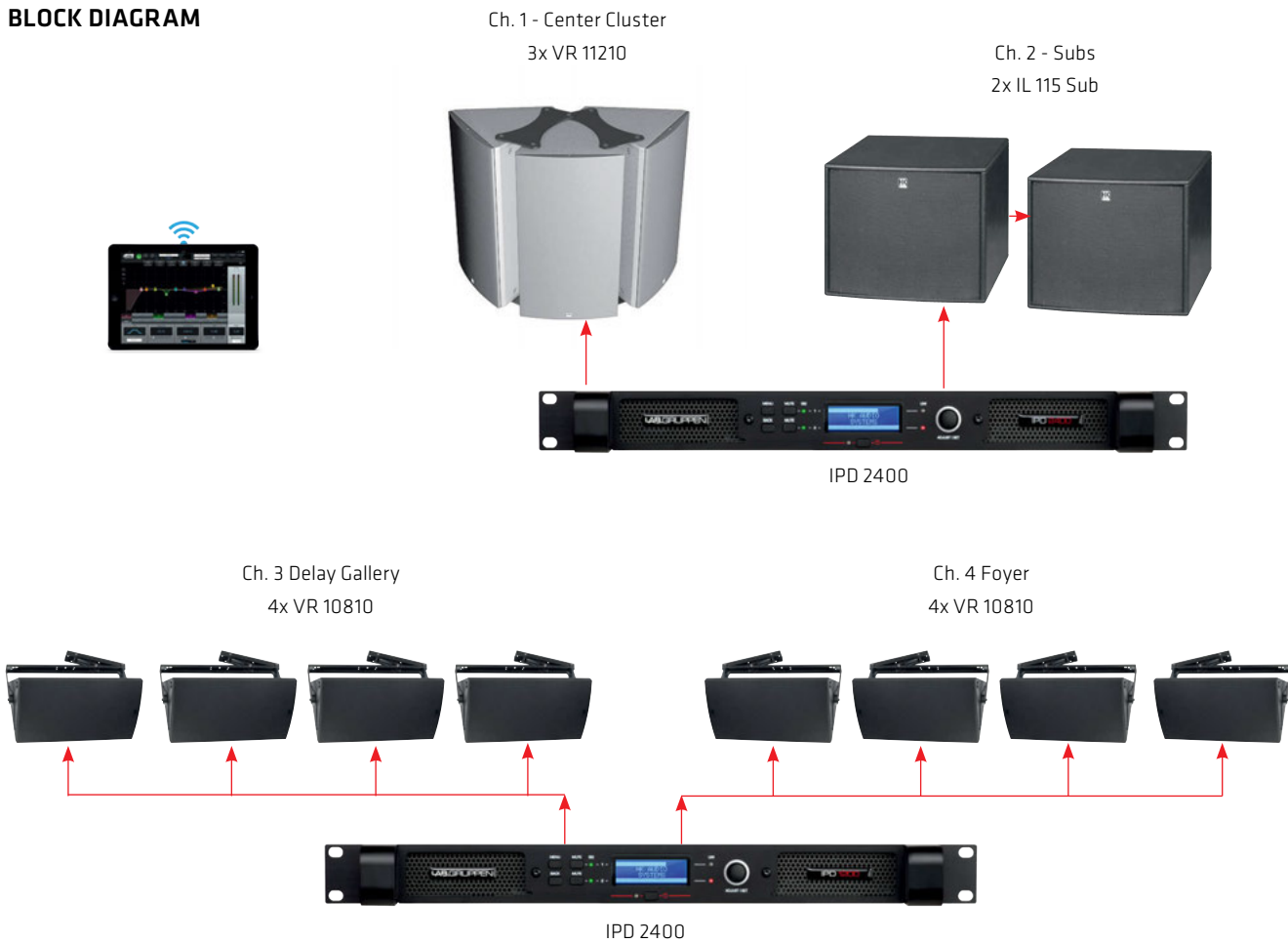
- *Ball-impact safe (DIN 18032)*
- *Engineered for excellent Speech Transmission Index results*
- *36 acoustic variations with only 6 models*
- *Optimized directivity for clusters with the available horns 60° x 40° & 90° x 55°*
- *Unique asymmetrical coverage with the 60° - 90° x 55° horn for point source setups*
- *Available in all established RAL colors*
- *"Made to order": new fast and flexible manufacturing process allows shipping of individual configurations within 30 days*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*



VORTIS - THEATER >



BLOCK DIAGRAM

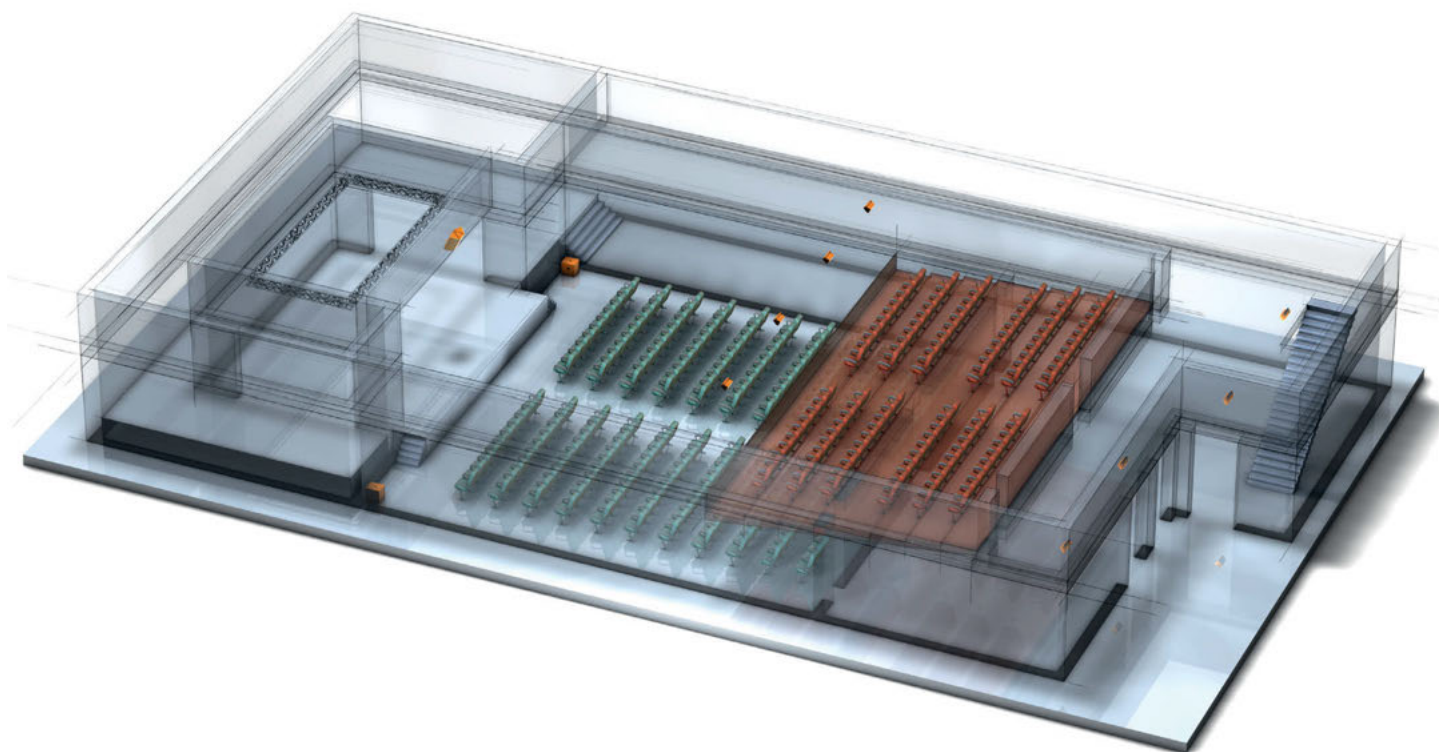


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 center cluster	VR 11210	350 W / 8 Ω	3	1050 W / 2.66 Ω	800 W / 2 Ω
2 subs	IL 115 SUB	600 W / 8 Ω	2	1200 W / 4 Ω	1200 W / 4 Ω
3 delay	VR 10810	100 W / 16 Ω	4	400 W / 4 Ω	600 W / 4 Ω
4 foyer	VR 10810	100 W / 16 Ω	4	400 W / 4 Ω	600 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

- *Engineered for excellent Speech Transmission Index results*
- *36 acoustic variations with only 6 models*
- *Optimized directivity for clusters with the available horns 60° x 40° & 90° x 55°*
- *Unique asymmetrical coverage with the 60° - 90° x 55° horn for point source setups*
- *Available in all established RAL colors*
- *Ball-impact safe (DIN 18032)*
- *“Made to order”: new fast and flexible manufacturing process allows shipping of individual configurations within 30 days*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*



> VORTIS - MODELS & ACCESSORIES

VR 10810



A two-way fullrange speaker housed in a bass reflex enclosure, the VR 10810 is loaded with an 8" woofer and a 1" high-frequency driver coupled to a constant directivity horn. It is an excellent solution for speech reinforcement and smaller fullrange applications, and will serve you well as the mid/high unit in configurations with a subwoofer such as the compact HK AUDIO IL 112 Sub or IL 115 Sub. It is also the perfect complement to larger speakers, for instance, in delay lines and for near-field coverage.

ITEM #
BLACK: 1006582
WHITE/RAL COLOUR: 1006697

VR 11210



A two-way fullrange speaker with a passive x-over, the VR 11210 is housed in a bass reflex enclosure designed for fixed installation. It is loaded with a 12" woofer and a 1" high-frequency driver coupled to a constant directivity horn. The VR 11210 is the perfect choice for smaller fullrange applications and for use as a mid/high unit in configurations with a subwoofer such as the compact HK AUDIO IL 115 Sub or IL 118 Sub.

ITEM #
BLACK: 1006585
WHITE/RAL COLOUR: 1006700

VR 11510



A two-way fullrange speaker with a passive x-over, the VR 11510 is housed in a bass reflex enclosure loaded with a 15" woofer and a 1" high-frequency driver coupled to a constant directivity horn. The VR 11510 is ideal for midsized fullrange applications requiring extended low-frequency response, and for use as a mid/high unit in configurations with a subwoofer such as the compact HK AUDIO IL 115 Sub or IL 118 Sub.

ITEM #
BLACK: 1006597
WHITE/RAL COLOUR: 1006713

VR 11214



A high-performance speaker with a passive x-over, the VR 11214 is housed in a bass reflex enclosure loaded with a 12" woofer and a 1.4" high-frequency driver coupled to a constant directivity horn. An installed VR 11214 is particularly well-suited for use as a mid/high unit in long-throw applications. It excels at rendering live music in configurations with a subwoofer such as the compact HK AUDIO IL 115 Sub or IL 118 Sub. For larger and more complex sound reinforcement scenarios, we recommend that you operate this unit with the HK AUDIO FIRNET Controller.

ITEM #
BLACK: 1006588
WHITE/RAL COLOUR: 1006703

VR 11514



A high-performance speaker with a passive x-over, the VR 11514 is housed in a bass reflex enclosure loaded with a 15" woofer and a 1.4" high-frequency driver coupled to a constant directivity horn. A great choice of mid/high unit for long-throw applications, it also stands out in the crowd with its ability to render live music in setups with a subwoofer such as the compact HK AUDIO IL 115 Sub or IL 118 Sub. The HK AUDIO FIRNET Controller comes highly recommended if you wish to operate this unit in larger and more complex rigs.

ITEM #
BLACK: 1006591
WHITE/RAL COLOUR: 1006706

VR 21214



A high-performance speaker with a passive x-over, the VR 21214 is housed in a bass reflex enclosure designed for fixed installation. It is loaded with two 12" woofers for extended low-frequency response and one 1.4" high-frequency driver coupled to a constant directivity horn. The VR 21214 is well-suited for use as a mid/high unit in long-throw applications requiring high SPL. Paired with a subwoofer such as the compact HK AUDIO IL 115 Sub or IL 118 Sub, it excels at rendering live music. If you wish to configure larger, more intricate systems, you will find the HK AUDIO FIRNET Controller to be an invaluable asset.

ITEM #
BLACK: 1006594
WHITE/RAL COLOUR: 1006710



AP 10

These fixtures serve to attach hardware such as shackles, making it easy to connect arrest wires.

ITEM #
1007045



U-BRACKET WITH MOUNTING PLATES

The U-bracket lets you mount speakers to walls and ceilings. You can aim and align cabinets as you see fit using a combination of speaker tilt units and/or wall plates. The U-bracket ships with two mounting plates.

ITEM #
VR 10810: 1006772
VR 11210: 1006773
VR 11510: 1006774
VR 11214: 1006775
VR 11514: 1006776
VR 21214: 1006777



SPEAKER TILT WITH ANGULAR ALIGNMENT

This adapter adjusts the tilt angle of cabinets in 5° steps up to a maximum of 45°. The U-bracket connects the enclosure and speaker tilt fixture.

ITEM #
1006781



WALL PLATE

This plate serves to mount cabinets to walls and ceilings. It lets you rotate the enclosure in 5° steps. You need either the U-bracket on its own or in combination with the speaker tilt to join the cabinet to the wall plate.

ITEM #
1006780



CLUSTER PLATE

Speaker cabinets may be clustered to widen their throw pattern and extend coverage. This cluster plate lets you array cabinets vertically and horizontally. You will need the extension plate to cluster more than two enclosures.

ITEM#
1 CLUSTERPLATE 0° FOR ALL VR MODELS (EXCEPT VR 10810): 1006783
2 CLUSTER PLATE 10° FOR ALL VR MODELS (EXCEPT VR 10810): 1006929
3 CLUSTER PLATE 10° VR 10810: 1006928
4 CLUSTERPLATE 0° VR 10810: 1006782



CLUSTER EXTENSION PLATE

This extension plate is needed to cluster more than two enclosures. It serves as a shim for overlapping plates when clustering three enclosures.

ITEM #
5 EXTENSION PLATE FOR CLUSTERPLATE 0° VR 10810: 1006784
6 EXTENSION PLATE FOR CLUSTERPLATE ALL VR MODELS 0° (EXCEPT VR 10810): 1006785
7 EXTENSION PLATE FOR CLUSTERPLATE ALL VR MODELS 10° (EXCEPT VR 10810): 1006949
8 EXTENSION PLATE FOR CLUSTERPLATE 10° VR 10810: 1006784

> IL SERIES



When we set out to develop our Installation Line speaker range, our top priority was to render the human voice in all its natural glory. Once we perfected the acoustics, we focused on the mechanical details. Robust speaker grilles, rugged and reliable connector ports, mounting options galore, and easy-to-use hardware and accessories – nothing less would do.

On the following pages are two system proposals for using IL SERIES in combination with the new Lab.gruppen IPD controller amps. These examples demonstrate the efficiency of perfectly matched – and therefore optimally employed – components.

All the components featured in these examples, and in all our other system solutions, can be ordered directly from your local official HK AUDIO distributor.

IL SERIES - LIVE PUB >



BLOCK DIAGRAM

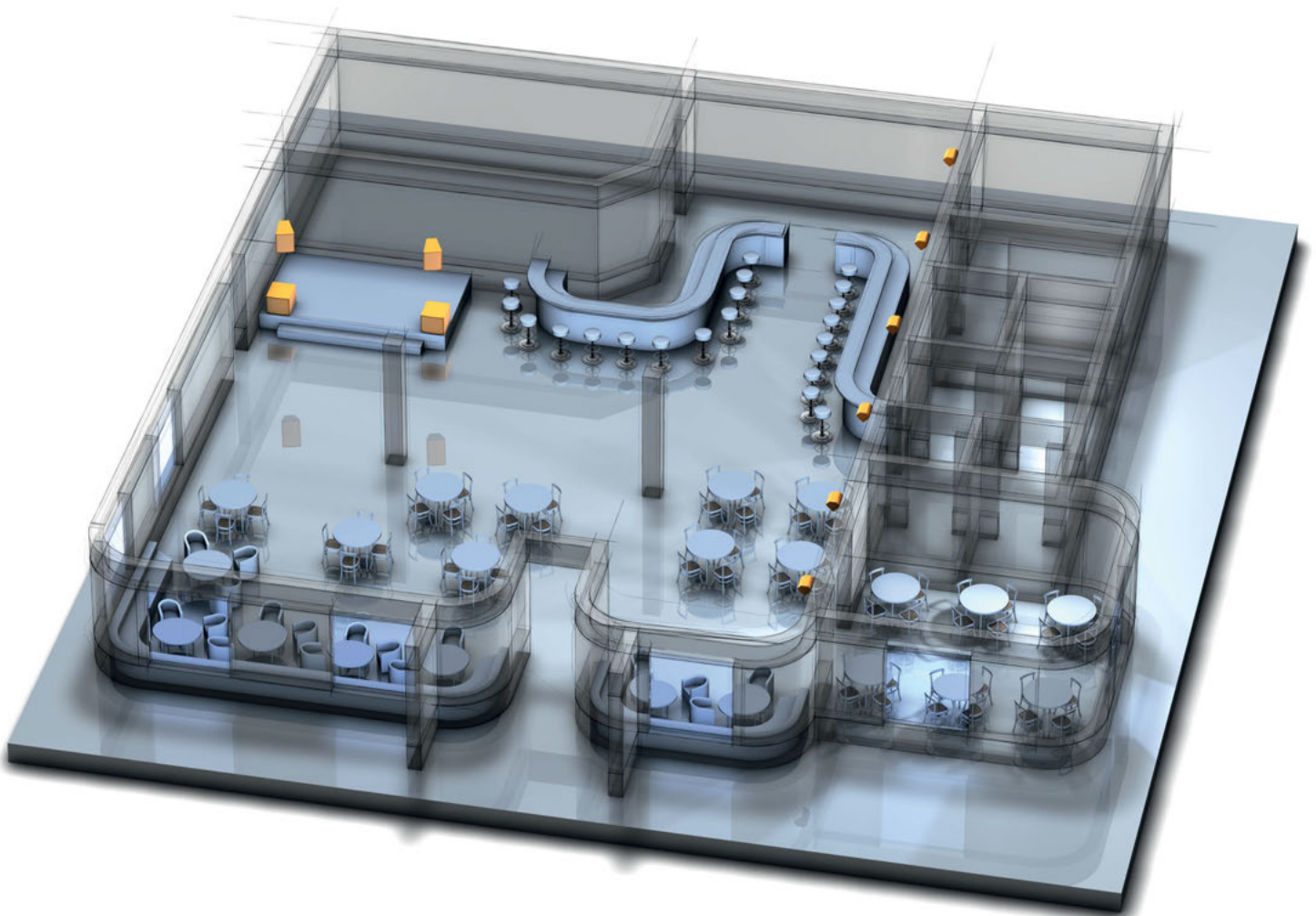


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 stage L	IL 12.2	300 W / 8 Ω	1	300 W / 8 Ω	600 W / 8 Ω
2 stage R	IL 12.2	300 W / 8 Ω	1	300 W / 8 Ω	600 W / 8 Ω
3 subs	IL 115 SUB	600 W / 8 Ω	2	1200W / 4 Ω	1200 W / 4 Ω
4 bar	IL 8.1	200 W / 16 Ω	6	1200W / 2.6 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

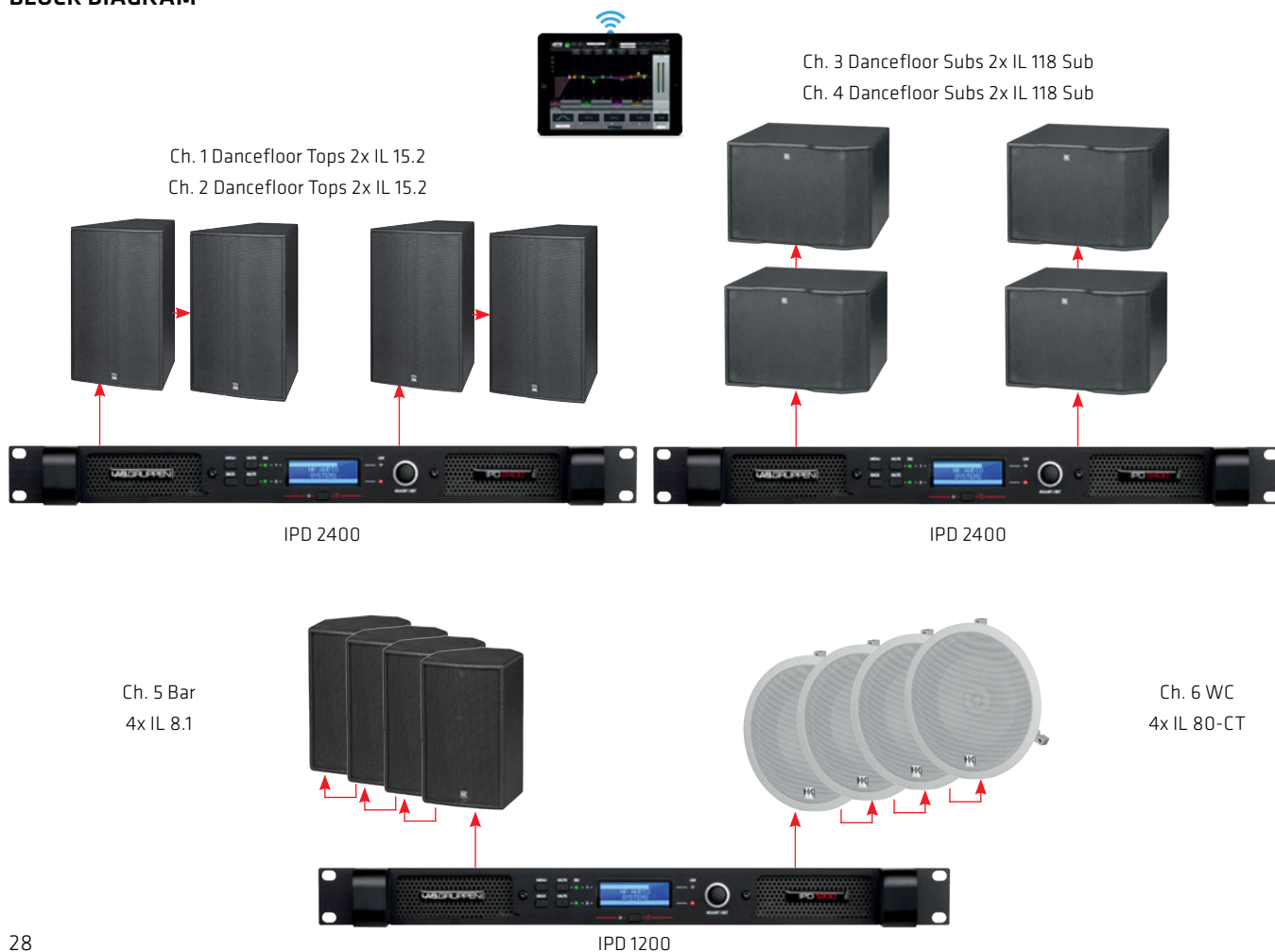
- *Excellent for both speech and music*
- *Attractive price/performance ratio*
- *Available in black or white*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*



IL SERIES - CLUB >



BLOCK DIAGRAM

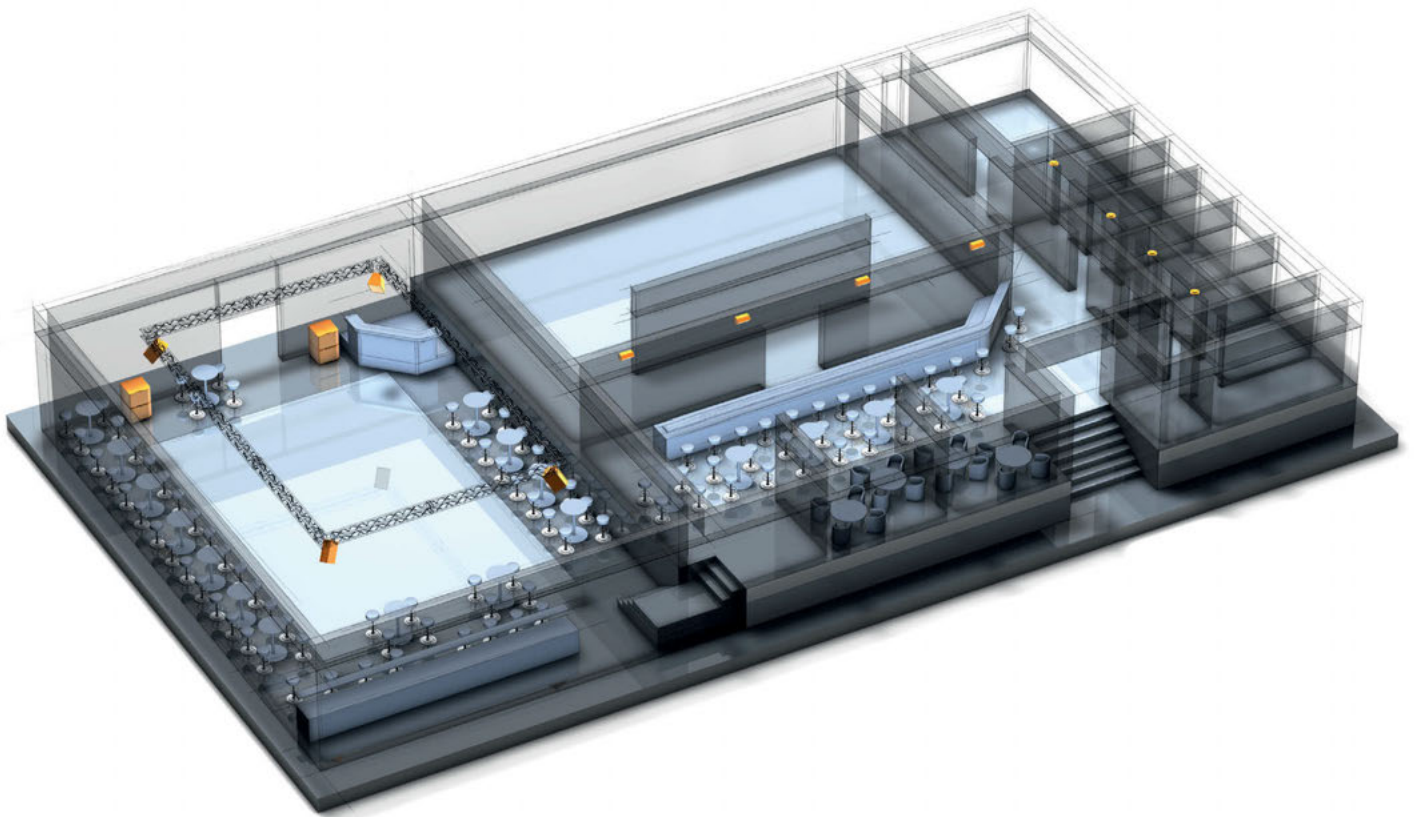


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 main L	IL 15.2	400W / 8 Ω	2	800 W / 4 Ω	1200 W / 4 Ω
2 main R	IL 15.2	400W / 8 Ω	2	800 W / 4 Ω	1200 W / 4 Ω
3 subs 1	IL 118 Sub	400 W / 8 Ω	2	800 W / 4 Ω	1200 W / 4 Ω
4 subs 2	IL 118 Sub	400 W / 8 Ω	2	800 W / 4 Ω	1200 W / 4 Ω
5 Bar	IL 8.1	200 W / 16 Ω	4	800 W / 4 Ω	600 W / 4 Ω
6 WC	IL 80-CT	60 W / 8 Ω	4	240 W / 2 Ω	600 W / 4 Ω

* power-handling nominal (rms) per unit

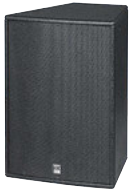
** max output power per channel driven IPD 1200 / IPD 2400

- *Excellent for popular music*
- *Attractive price/performance ratio*
- *Available in black or white*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*



> IL - MODELS

IL 12.1



A two-way, fullrange cabinet geared for high-quality voice and music reinforcement in theaters, pubs, sports arenas and multipurpose halls, clubs, etc., the IL 12.1 may be deployed as a fullrange or mid/high unit in combination with the IL 115 Sub, IL 118 Sub or IL 218 Sub subwoofers.

ITEM #
1005726

IL 12.2



Tuned for voice and music applications, this fullrange cab offers extraordinary phase linearity, highest speech intelligibility, and considerable dynamic range. The IL 12.2 may be deployed as a fullrange or mid/high unit in configurations with a subwoofer such as the IL 115 Sub, IL 118 Sub or IL 218 Sub. It is the consummate cab for voice and music applications demanding high SPL. Passive x-over on board.

ITEM #
1005710

IL 15.1



This fullrange cab delivers enhanced low-end response and great power handling capacity for high-quality voice and music sound reinforcement in bars, live venues, smaller clubs, theaters, and so forth. It may also be deployed as a mid/high unit with IL 115 Sub, IL 118 Sub or IL 218 Sub subwoofers. Passive x-over on board.

ITEM #
1005730

IL 15.2



Designed for voice and fullrange applications, this cabinet's great dynamic range with powerful low-end response, extraordinary phase linearity, and excellent speech intelligibility predestine it for use in theaters, sports and multipurpose arenas, live venues, clubs, etc. It may be supplemented with a subwoofer such as the IL 118 Sub or IL 218 Sub. Passive x-over on board.

ITEM #
1005734

IL 112 SUB



An exceedingly compact, direct-loaded subwoofer, it delivers natural-sounding low end with minimal distortion. It is particularly well-suited for reinforcing IL 8.1, IL 8.2, IL 8.75, IL 12.1, and IL 12.2 cabinets. Built-in hi cut filter.

ITEM #
1005719

IL 115 SUB



This compact, direct-loaded subwoofer delivers natural-sounding low end at impressively low distortion levels. It provides splendid bass support for IL 8.1, IL 8.2, IL 8.75, IL 12.1 and IL 12.2 cabinets. Hi cut filter on board.

ITEM #
1005722

IL 118 SUB



This high-performance, direct-loaded subwoofer delivers powerful, low ranging and dynamic low end response to reinforce fullrange cabs. Well-suited for installation in dance clubs, live venues and theaters, it is loaded with an 18" conical loudspeaker housed in a bass reflex enclosure.

ITEM #
1005738

IL 218 SUB



This ultra powerful, direct-loaded subwoofer delivers extremely low-ranging, punchy and precise bass response to support fullrange cabs. Designed for large theaters, halls, clubs, live venues and all applications demanding high SPL, it is the perfect complement to IL 12.1, IL 12.2, IL 15.1, and IL 15.2 enclosures.

ITEM #
1005742



IL 60-CT

A compact two-way speaker that mounts into ceilings, it is loaded with a direct-radiating 6.5" conical woofer and a 3/4" HF tweeter. It is well-suited for background and near-field sound reinforcement in foyers, boutiques, bars, restaurants, shopping centers, airports, train stations and so forth. A passive x-over with a 100 V transformer is on board, offering five power taps that may even be selected after installation.

ITEM #
1005764



IL 60-CTC

This compact two-way speaker housed in a metal enclosure installs into ceilings. Loaded with a direct-radiating 6.5" conical woofer and a 3/4" tweeter, it is an excellent choice for background and near-field coverage in foyers, boutiques, bars, restaurants, shopping centers, airports, train stations and the like. It features a built-in passive x-over with a 100 V transformer offering five power taps selectable via a rotary switch.

ITEM #
1005765



IL 80-CT

A compact two-way unit designed for in-ceiling installation, it is loaded with a direct-radiating 6.5" conical woofer and a 3/4" tweeter. It is a great choice for background and near-field sound reinforcement in foyers, boutiques, bars, restaurants, shopping centers, airports, train stations and similar venues. A passive x-over with a 100 V transformer is built in, offering five power taps that may even be selected after installation.

ITEM #
1005768

IL 60-TB/TW & IL 80-TB/TW

These remarkably compact, two-way fullrange enclosures are driven by built-in passive x-overs. Loaded with direct-radiating 6.5" (8") conical woofers in bass reflex housings and 1" tweeters, they are perfect for covering shorter distances in bars, foyers, and the like. Courtesy of their compact dimensions, they integrate inconspicuously into every room.



ITEM #
IL 60-TB/TW: 1005766/1005767
IL 80-TB/TW: 1005769/1005770



IL 82

A compact cabinet for voice and fullrange applications, the IL 82 provides exceptional speech intelligibility for background and near-field sound reinforcement, for example, in foyers, lecture halls, bars and clubs. The IL 82 may be combined with the IL 112 Sub or IL 115 Sub. Passive x-over on board.

ITEM #
LEFT VERSION: 1005706
RIGHT VERSION: 1007269



IL 8.1

A decidedly compact cabinet for voice and fullrange applications, it delivers extraordinary phase linearity, speech intelligibility, and dynamic range. It may be deployed with the IL 112 Sub or IL 115 Sub, and is ideal for decentralized public address, presentations, near-field sound reinforcement, and so forth. Passive x-over on board.

ITEM #
LEFT VERSION: 1005702
RIGHT VERSION: 1005760



IL 8.75

This horn-loaded, two-way, fullrange ceiling-mount enclosure offers extraordinary fidelity, particularly for speech, and excellent directivity. It is ideal for lecture and conference halls, fairs, airports and the like. Passive x-over on board.

ITEM #
1005715

> **IL - ACCESSORIES**



2" HORN 90° X 40°
1" HORN 90° X 60°

Horn conversion kits: Converts to a 90° x 40° horn for IL 12.2 and IL 15.2, and to a 90° x 60° horn for IL 8.1, IL 12.1 and IL 15.1

ITEM #
1006285



MB 5

Wall mount for
IL 12.1, IL 15.1, IL 12.2, IL 15.2

ITEM #
1006171



MC 1

Wall mount for
IL 12.1, IL 15.1, IL 12.2, IL 15.2

ITEM #
1006173



TR 200

Transformer with 0.5 m connecting cord and 200 W, 100 W, and 50 W power taps for IL 12.1, IL 15.1, IL 12.2, and IL 15.2

ITEM #
1006064



MS 1

Mounting bracket for the IL 8.1 and IL 82; with rotatable connector

ITEM #
1006174



MS 2

Speaker pole mount for the IL 8.1 and IL 82 and as a supplement to the MS 1

ITEM #
1006176



MS 4

Cluster plates (one pair) for IL 82, IL 8.1 models

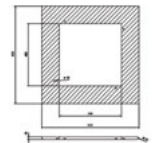
ITEM #
1006178



MB 4

Wall mount for IL 82, IL 8.1, and IL 8.75

ITEM #
1006169



CEILING MOUNT FRAME

For the IL 8.75

ITEM #
1006284



EB 8 / EB 10

Serves to attach arrest wires and rigging hardware such as chains and steel cables to fly speakers

ITEM #
EB 8: 1006142
EB 10: 1006140



TR 50

Transformer with 0.5m connecting cord and 50 W, 25 W and 12.5 W power taps for IL 82, IL 8.1, and IL 8.75

ITEM #
1006065



CADIS was designed first and foremost to satisfy discriminating expectations for state-of-the-art installations in stadiums, theaters, clubs, and civic centers. It is noteworthy not only for its extraordinary flexibility and sonic performance, but also for the ruggedness of its components. The mid/high unit sports a housing made of polyamide resin, an especially durable, weatherproof space-age plastic. This resin also happens to be remarkably anti-resonant; hence the units' excellent acoustical properties.

Inconspicuous installation is easy and convenient courtesy of its unobtrusive yet upscale design and the handy three-point rigging system. Black and white models are standard, and versions in any RAL color can be special-ordered. Simulation software and the requisite specifications (Ease Focus 2) are included with the CADIS system.

On the following pages are two system proposals for using CADIS in combination with the new Lab.gruppen IPD controller amps. These examples demonstrate the efficiency of perfectly matched – and therefore optimally employed – components.

All the components featured in these examples, and in all our other system solutions, can be ordered directly from your local official HK AUDIO distributor.

CADIS - MODERN THEATER >



BLOCK DIAGRAM

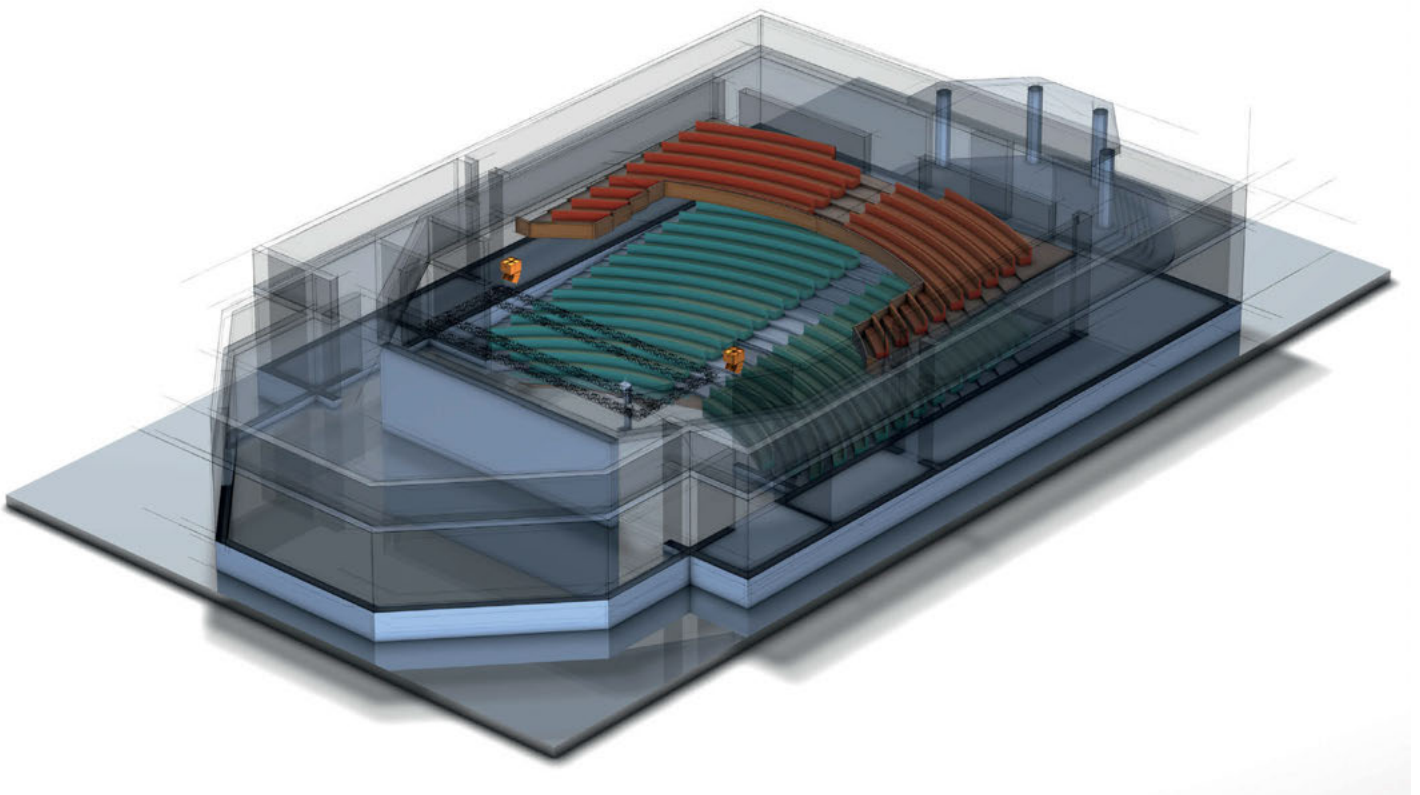


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 main L	CAD 208	250W / 8 Ω	3	750 W / 2.66 Ω	800 W / 2 Ω
2 sub L	CAD 115 SUB	600 W / 8 Ω	1	600 W / 8 Ω	600 W / 8 Ω
3 main R	CAD 208	250W / 8 Ω	3	750 W / 2.66 Ω	800 W / 2 Ω
4 sub R	CAD 115 SUB	600 W / 8 Ω	1	600 W / 8 Ω	600 W / 8 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

- *Weatherproof / IP protection class 45*
- *Excellent for both speech and music*
- *Attractive price/performance ratio*
- *Available in black or white*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*



CADIS - STADIUM >



BLOCK DIAGRAM

Ch. 1,2 & 3 Mid/High Array Units
9x CAD 208

Ch. 4 Flown Subs
1x CAD 115 Sub

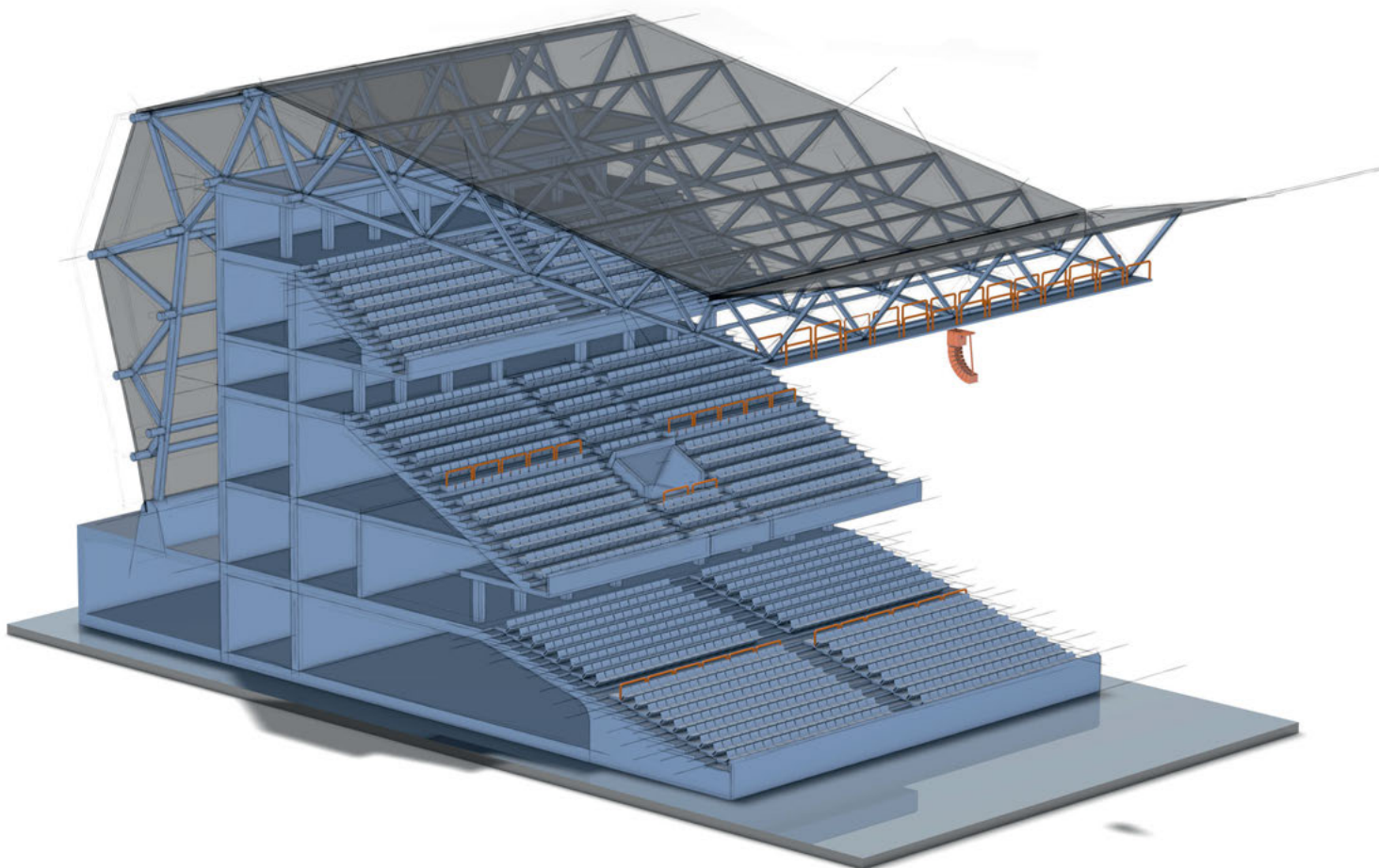


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 array	CAD 208	250 W / 8 Ω	3	750 W / 2.66 Ω	800 W / 2 Ω
2 array	CAD 208	250 W / 8 Ω	3	750 W / 2.66 Ω	800 W / 2 Ω
3 array	CAD 208	250 W / 8 Ω	3	750 W / 2.66 Ω	800 W / 2 Ω
4 sub	CAD 115 Sub	600 W / 8 Ω	1	600 W / 8 Ω	600 W / 8 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

- *Excellent for popular music*
- *Attractive price/performance ratio*
- *Available in black or white*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*





CAD 208

This mid/high unit is loaded with two 8" midrange speakers, two 1" high-frequency drivers with a concentric double horn, and a 2.5-way crossover. It handles up to 500 watts and its horns' 100° x 15° throw pattern reaches far and wide. Just eight mid/high units deliver fully-fledged fullrange performance with excellent speech intelligibility down to the last

syllable. The rigging hardware accepts up to 24 CAD 208 mid/high units to cover larger venues. In the stacked variant, up to eight mid/high units and two subwoofers may be connected to the rigging frame. Given an HK AUDIO FIRNET Controller and a suitable power amp, the unit readily integrates into networked systems.

CAD 115 SUB

This passive subwoofer sports a high-quality 15" neodymium woofer. Its hair-trigger response and impulse accuracy make it a perfect low-end complement to the CAD 208 mid/high unit. It may be flown at will and deployed to augment the bass performance of a speech array. A CADIS system with just two subs and four mid/high units will serve you well as a high-quality fullrange system for smaller venues.





RIGGING FRAME

This black rigging harness holds up to 24 flown CAD 208 units and, with the connector set, serves as the base for stacked configurations with the CAD 115 Sub. It is TÜV/BGV-C1-certified.

ITEM #
1006405



CONNECTOR FRAME

This lightweight connector attaches CAD 115 subwoofers to CAD 208 mid/high units. Up to ten mid/high units may be installed below a flown CAD 115 Sub bin.

ITEM #
1006407



WALL MOUNT

The CADIS wall mount consists of a T-shaped yoke and a mounting bracket. Up to four 4 mid/high units may be mounted to walls at various angles to provide the best possible alignment.

ITEM #
1990046



CEILING MOUNT

The CADIS ceiling mount accepts up to three CAD 208 mid/high units to suspend them directly from the ceiling.

ITEM #
1990048



SUB CONNECTOR SET

These eight quick-release pins and four connectors attach the rigging frame to a CAD 115 Sub or connect two CAD 115 Subs.

ITEM #
1006092



T 1

T-bracket including one attached connector and two quick-release pins for up to four CAD 208s.

ITEM #
1006406



ST 1

ST 1 skate/carriage for the T bracket with safety eyelet; includes two M10x12 set screws and two M8 screws.

ITEM #
1006458



ARAKNO 3D ADAPTER

3D-adjustable angle adapter, Arakno connector with 2 x 20 mm system bolts.

ITEM #
1006465



MA 1

Connector, system double bolt, stainless steel, D = 20 mm, L = 46.5 mm

ITEM #
1006462



MA 2

Pole connector casing with bolt fixture, 36 mm inside, to system bolt, D = 20 mm

ITEM #
1006464



MA 3 7,5°

Angle adapter kit, 7.5° fixed; stainless steel with two angle adapters and two 8x17 quick-release pins for additional set angles.

ITEM #
1006461



MA 4

System bolt adapter, 20 mm to M12 female thread, stainless steel

ITEM #
1006463



MB 6

Wall-mount bracket with safety eyelet including two M10x12 set screws.

ITEM #
1006459



MB 7

Ceiling mount accepts the 20 mm system double bolt, including two M10x12 set screws.

ITEM #
1006460

> LINEAR 5



With LINEAR 5, HK AUDIO has unveiled a line of high-performance PA cabinets that is sure to delight ambitious musicians and DJs as well as discerning hire companies and the install market.

No other system competing in the class of 1" drivers can match LINEAR 5's SPL. The high-quality wood housings are anything but standard. Made of tough multilayer birch plywood and a birch/MDF hybrid, these rugged enclosures not only stand up to the rigors of the road, they also have excellent performance-enhancing acoustical properties. Top-drawer features like this usually come at a steep price, but the LINEAR 5 line is surprisingly affordable. LINEAR 5 is exceptionally versatile: it takes just two L5 112 FA units to set up a fully-fledged fullrange system. Two stackable LINEAR 5 subwoofers may be added for applications requiring more bass. What's more, these tops can also serve as delay line monitors (the XA model) and as speakers in more extensive sound reinforcement systems. Engineered by a crack R&D team that has been designing pro audio equipment for more than 30 years, LINEAR 5 is 100% made in Germany. Users expect nothing less than flawless finishing, faithful reproduction, and excellent specs from HK AUDIO. LINEAR 5 delivers all this and more, and our customers also enjoy exemplary service provided by dealers in 55 countries around the world.

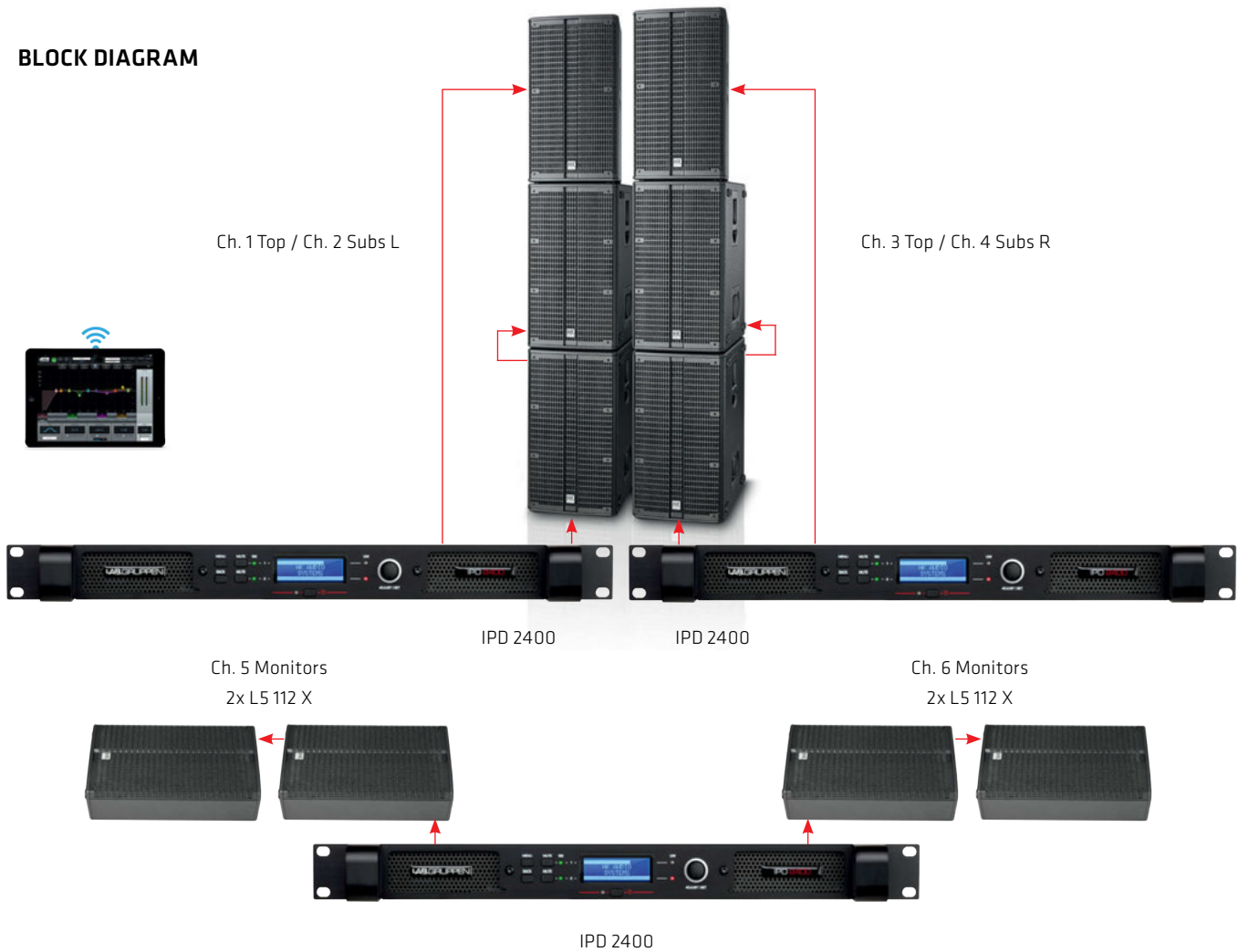
On the following pages are two system proposals for using LINEAR 5 in combination with the new Lab.gruppen IPD controller amps. These examples demonstrate the efficiency of perfectly matched – and therefore optimally employed – components.

All the components featured in these examples, and in all our other system solutions, can be ordered directly from your local official HK AUDIO distributor.

LINEAR 5 - SMALL LIVE CLUB >



BLOCK DIAGRAM

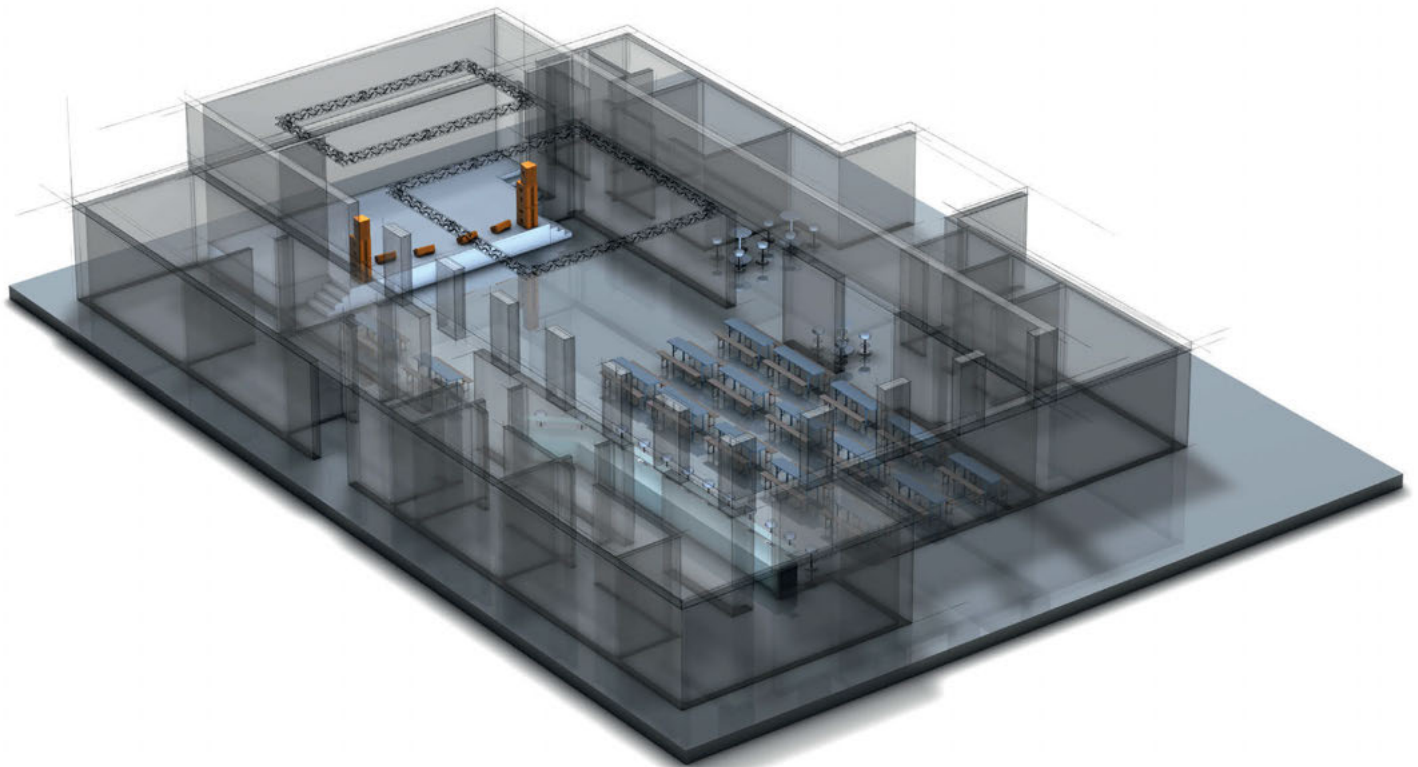


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 top L	L5 112 F	500 W / 8 Ω	1	500 W / 8 Ω	600 W / 8 Ω
2 sub L	L SUB 1200	600 W / 8 Ω	2	1200 W / 4 Ω	1200 W / 4 Ω
3 top R	L5 112 F	500 W / 8 Ω	1	500 W / 8 Ω	600 W / 8 Ω
4 sub R	L SUB 1200	600 W / 8 Ω	2	1200 W / 4 Ω	1200 W / 4 Ω
5 monitors 1	L5 112 X	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω
6 monitors 2	L5 112 X	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

- *Attractive price/performance ratio*
- *Unique asymmetrical coverage with the 60° - 90° x 55° horn*
- *No other system in the 1" class can match the sound pressure levels generated by Linear 5 components!*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*



LINEAR 5 - EFFICIENT DANCE CLUB >



BLOCK DIAGRAM



Ch. 1 main L
2x L5 115 F

Ch. 2 main R
2x L5 115 F



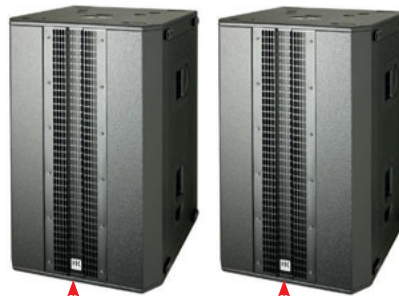
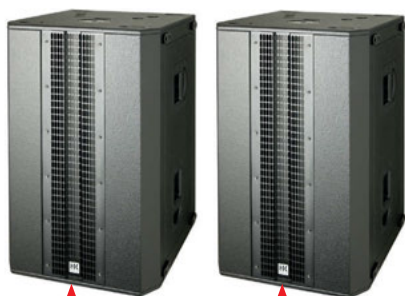
IPD 2400

Ch. 3 sub 1
1x L Sub 2000

Ch. 4 sub 2
1x L Sub 2000

Ch. 5 sub 3
1x L Sub 2000

Ch. 6 sub 4
1x L Sub 2000



IPD 2400



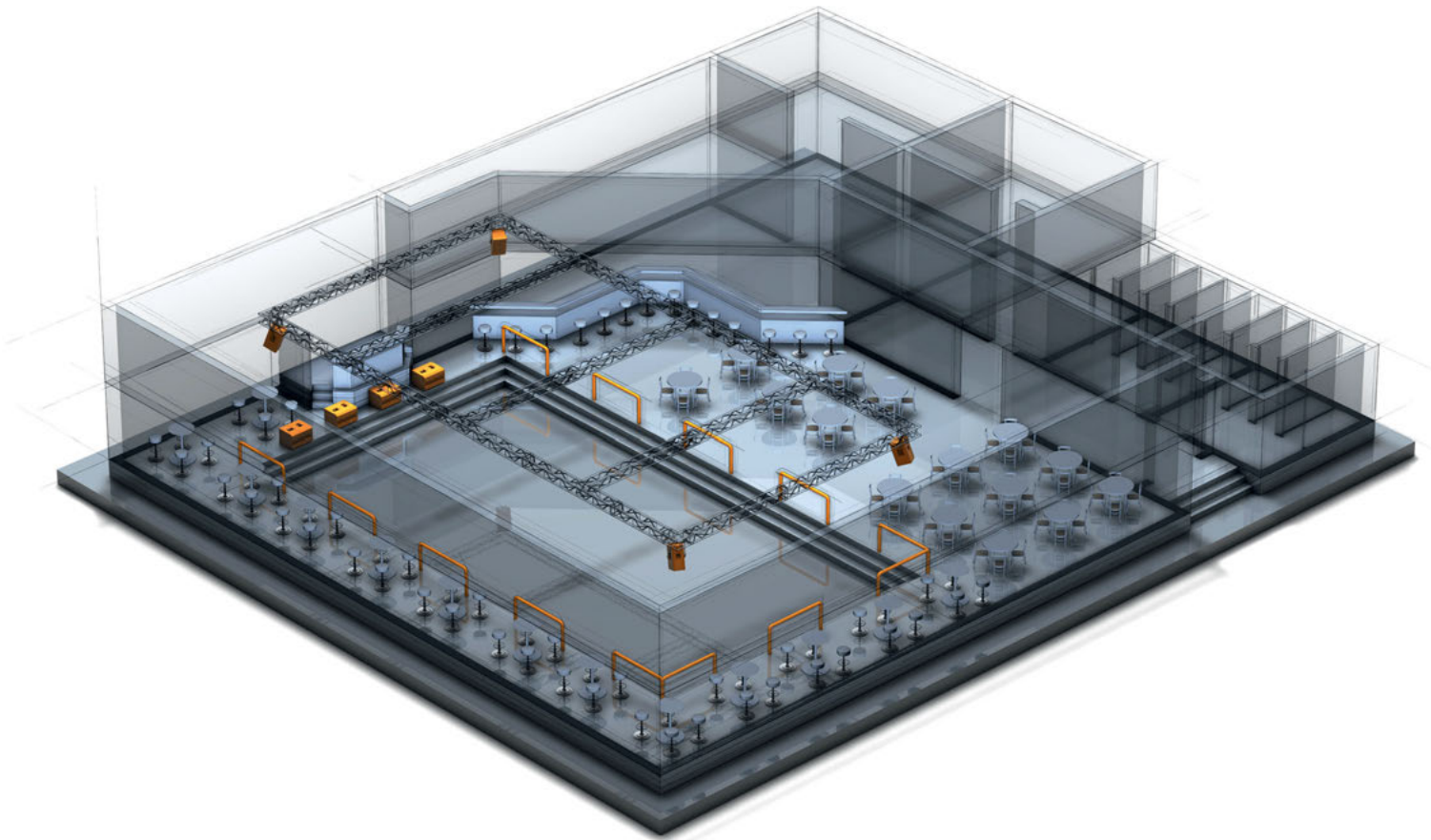
IPD 2400

CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 main L	L5 115 F	600 W / 8 Ω	2	1200 W / 4 Ω	1200 W / 4 Ω
2 main R	L5 115 F	600 W / 8 Ω	2	1200 W / 4 Ω	1200 W / 4 Ω
3 sub 1	L Sub 2000	700 W / 4 Ω	1	700 W / 4 Ω	1200 W / 4 Ω
4 sub 2	L Sub 2000	700 W / 4 Ω	1	700 W / 4 Ω	1200 W / 4 Ω
5 sub 3	L Sub 2000	700 W / 4 Ω	1	700 W / 4 Ω	1200 W / 4 Ω
6 sub 4	L Sub 2000	700 W / 4 Ω	1	700 W / 4 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

- *Attractive price/performance ratio*
- *Unique asymmetrical coverage with the 60° - 90° x 55° horn*
- *No other system in the 1" class can match the sound pressure levels generated by Linear 5 components!*
- *Networked control via IntelliDrive Controller™ with iPad or PC (IPD)*
- *Binding post and Neutrik Speakon connectors (IPD)*
- *AES/EBU and analog inputs with redundant failover (IPD)*



› LINEAR 5 – MODELS & ACCESSORIES



L5 112 X / XA

The 12"/1" model is housed in a multifunctional enclosure that delivers the highest sound pressure levels (135 dB max. SPL peak). A switchable filter configures it for use as a top unit (adding long-range capability) in systems with the Linear Sub 2000 / 2000 A. The L5 112 XA also serves as an excellent monitor with a plenty of gain before feedback, whereby the rotatable 60° x 40° CD horn provides an exemplary coverage pattern.



L5 112 F / FA

The 12"/1" fullrange top delivers the most powerful bass performance in its class. It also sports an asymmetrical horn (60° x 90° x 55°) tuned to optimize sound dispersion. The switchable EQ (High Power/Small Venue) configures the cab's dynamic response to suit the application and location. High Power is always your first choice when you need maximum sound pressure and range. Small Venue is a great option for standard applications in smaller to midsized rooms and for moderate levels because it serves up a remarkably transparent and warm audio signal.



L5 115 F / FA

Able to pump out up 1,000 watts as a standalone cabinet, the ultra efficient 15"/1" fullrange top is, like its smaller sibling, the loudest reference speaker in its class. And like the L5 FA 112, it is equipped with an asymmetrical horn. Its throw pattern is optimized to provide the best coverage. The pattern is wider up front and grows more directed with distance, thereby achieving greater range.

ITEM #
L5 112 X
1006941

L5 112 XA
230 V: 1006944
240 V: 1007027
120 V: 1007028
100 V: 1007029

ITEM #
L5 112 F
1006939

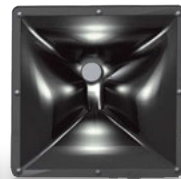
L5 112 FA
230 V: 1006943
240 V: 1007024
120 V: 1007025
100 V: 1007026

ITEM #
L5 115 F
1006942

L5 115 FA
230 V: 1006945
240 V: 1007030
120 V: 1007032
100 V: 1007031



60° x 40°



asymmetric



L SUB 2000 / 2000 A

Equipped with a sixth-order double band-pass crossover, the L Sub 2000/ 2000 A is the perfect reinforcement for L5 tops. Its low-end performance in the 39-120 Hz range is most impressive. It sports two 12" high-excursion woofers. This speaker's 2.5" voice coil comes with a state-of-the-art cooling system and a dual spider suspension to keep it perfectly centered. A newly developed 1,200-watt, Class-D power amp drives these speakers.

ITEM #	
L SUB 2000	L SUB 2000 A
1006940	230 V: 1006946
	240 V: 1007033
	120 V: 1007035
	100 V: 1007034



L SUB 1200 / 1200 A

This compact and light woofer comes in a bass reflex enclosure. It is ideal for band PAs. The powered version sports a remarkably efficient 1,200 watt, Class-D power amp that can also drive a connected passive L Sub 1200. Loaded with two remarkably responsive 10" woofers, it delivers tight, snappy bass with lots of punch ranging all the way down to around 38 Hz.

ITEM #	
L SUB 1200	L SUB 1200 A
1007066	230 V: 1007067
	240 V: 1007223
	120 V: 1007224
	100 V: 1007254



TILT UNIT

The tilt unit permits perfect satellite-to-audience alignment using a full stack system.

ITEM #
1007220



PROTECTIVE COVERS

Padded covers are available as optional accessories for all LINEAR 5 models.

ITEM #
L5 112 F/FA: 1007079
L5 112 X/XA: 1007080
L5 115 F/FA: 1007083
L SUB 1200/1200 A: 1007250
L SUB 2000/2000 A: 1007235



TB-1

This single-cab tilt bracket serves to attach the L5 112 F/FA and L5 115 F/FA to trusses using appropriate half-couplers or trigger clamps (M12). It attaches to variable positions on the recessed handles. Once the unit is aimed properly, the TB-1 is simply secured with the clamping lever.

ITEM #
1007300



SATELLITE ADD-ON PACKAGE

An accessory set for powered satellite systems, the Satellite Add-On Package contains two aluminum M 20 speaker poles and two 3 m XLR cables in a nylon carrying bag.

ITEM #
SPEAKON: 1006184
XLR: 1006185

> CONTOUR



The CONTOUR SERIES comprises professional-grade, high-performance speakers well suited for many applications. Common to all models is HK AUDIO's trademark versatility, handling ease and old-world craftsmanship. They raise the bar for speech intelligibility and phase linearity. Housed in dual-purpose enclosures, they may be deployed as FOH speakers and as stage monitors. CT models were designed for loud rock stages. They accept no compromises in their ability to deliver high SPL, yet remain remarkably feedback-resistant. For the best audio results, we recommend operating these enclosures with a FIRNET or DSM 2060 controller.

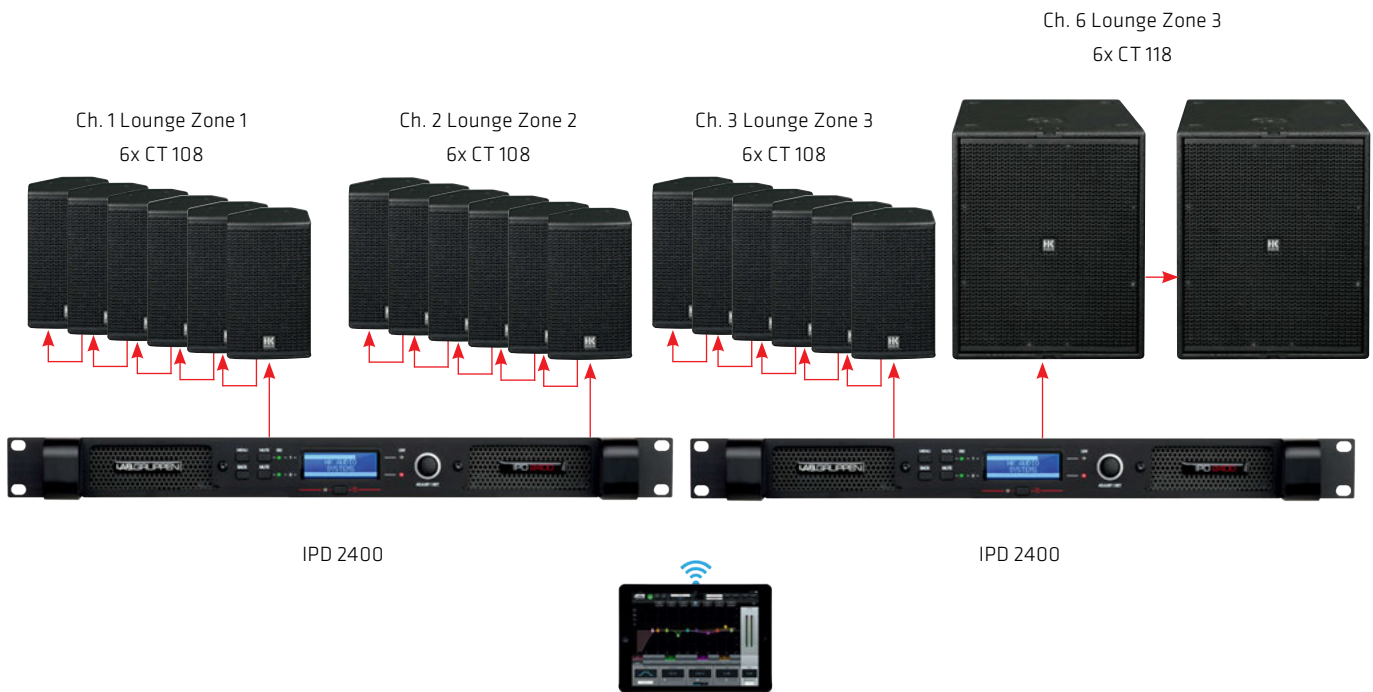
On the following pages are two system proposals for using CONTOUR in combination with the new Lab.gruppen IPD controller amps. These examples demonstrate the efficiency of perfectly matched – and therefore optimally employed – components.

All the components featured in these examples, and in all our other system solutions, can be ordered directly from your local official HK AUDIO distributor.

CONTOUR - LOUNGE BAR >



BLOCK DIAGRAM

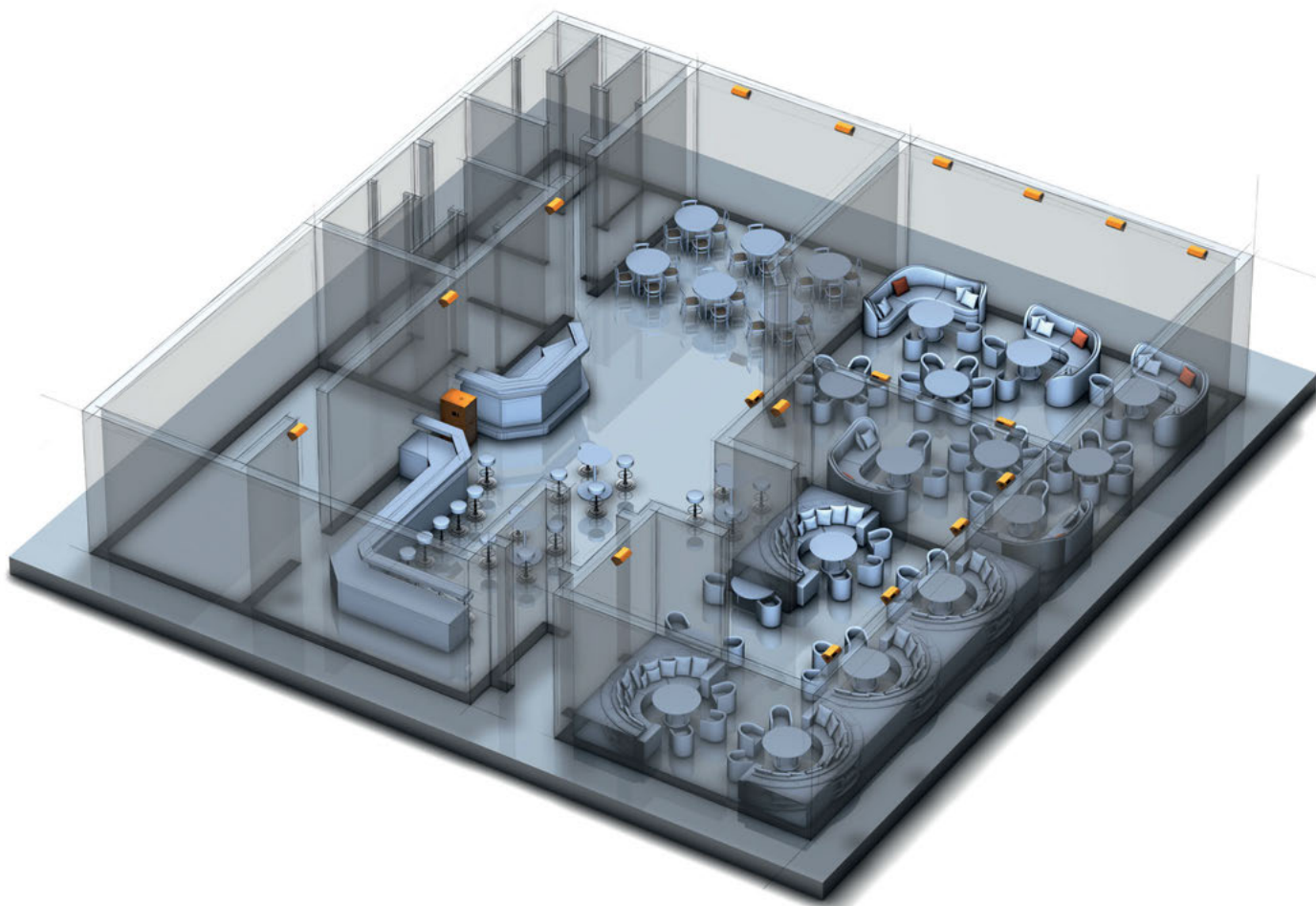


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 Lounge Zone 1	CT 108	200 W / 16 Ω	6	1200 W / 2.66 Ω	800 W / 2 Ω
2 Lounge Zone 2	CT 108	200 W / 16 Ω	6	1200 W / 2.66 Ω	800 W / 2 Ω
3 Lounge Zone 3	CT 108	200 W / 16 Ω	6	1200 W / 2.66 Ω	800 W / 2 Ω
4 Subs	CT 118 Sub	1000 W / 8 Ω	2	2000 W / 4 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

- Available in left and right versions
- Unique high-performance speakers for near-field sound reinforcement
- Delivers superb dynamic response and exceedingly faithful sound reproduction
- Networked control via IntelliDrive Controller™ with iPad or PC (IPD)
- Binding post and Neutrik Speakon connectors (IPD)
- AES/EBU and analog inputs with redundant failover (IPD)



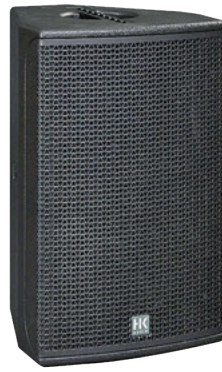
› CONTOUR – MODELS & ACCESSORIES



CT 108

A compact, 8"/1" fullrange speaker with a rotatable (90° x 60°) HF horn, it excels at rendering vocals and acoustic instruments. Able to deliver considerable output while remaining true to the signal, it is very well suited for speech reinforcement and as a low-profile monitor in theaters and for orchestras. Paired with a CT 118 sub, it also serves as a small FOH club system.

ITEM #
LEFT VERSION: 1006007
RIGHT VERSION: 1006021



CT 112

Configurable in passive and biamped modes, this 12"/1.4" cab delivers high SPL and assertive performance. It chiefly serves as a mid/high unit in combination with the CT 118 subwoofer, as a monitor on big and deep stages, and as a stand-alone speaker for public address. The rotatable 60° x 40° CD horn provides precise directivity.

ITEM #
LEFT VERSION: 1006010
RIGHT VERSION: 1006006



CT 115

Configurable in passive and biamped modes, this 15"/1.4" enclosure delivers enhanced low-frequency response. It serves primarily as a fullrange cabinet without an added subwoofer, as a stage monitor on big stages, and as a mid/high unit paired with the CT 118 subwoofer. The rotatable 60° x 40° CD horn provides precise directivity.

ITEM #
LEFT VERSION: 1006011
RIGHT VERSION: 1006008



CT 118 SUB

Featuring a direct-loaded 18" subwoofer in a bass reflex housing, this unit operates in two-way active mode. Exceedingly compact, it is also very light owing to its neodymium woofer. Able to render signal peaks with authority even at the highest levels, it is well suited for FOH systems in clubs and as a side- or drum-fill on larger stages.

ITEM #
1006009



SL 218

This 2x 18" sub-low handles 2x 1,000 W RMS at 4 Ω. Housed in two separate chambers, the woofers may be driven separately at 4 Ω or in parallel using a power amp rated to deliver this kind of output.

ITEM #
1006002



MS 1

Mounting yoke for CT 108

ITEM #
1006174



MS 2

35 mm pole mount adapter for the MS 1 mounting yoke and rigging frame

ITEM #
1006176



MS 3

TV stud for MS 1 and rigging yoke with threaded M10 bushings

ITEM #
1006177



MS 4

Cluster plate (1 pair) for CT 108 clusters

ITEM #
1006178



M20

This speaker pole for the CT 118 serves to set up satellite systems

ITEM #
1006137



SMALL TWIN FORK

For two CT 108s

ITEM #
1006139



AEROQUIP STUD

Eyelet-equipped stud for Aeroquip tracks

ITEM #
9760088



RIGGING YOKE

Single-point, swiveling (vertical) arm for truss mounting, with 2x M10 studs

ITEM #
1990036

> CONTOUR ARRAY



HK AUDIO has bridged the gap between conventional near-field systems and big line arrays: with CONTOUR ARRAY, you finally have a rig that lets you deploy this technology profitably for sound reinforcement scenarios where in the past it simply did not pay to set up line arrays.

CONTOUR ARRAY readily scales from a small club system to a two-meter array for larger events. Flown, stacked or deployed as a satellite system, it does exactly what you want it to do. Like the COHEDRA and COHEDRA COMPACT rigs, CONTOUR ARRAY is equipped with our Acoustic Lens technology to produce very precise directivity and maximum efficiency in the mid- and high-frequency ranges. The fine-tuned combination of active circuitry and perfectly matched speakers ensures uniform and transparent sound even at the highest volumes.

On the following pages are two system proposals for using CONTOUR ARRAY in combination with the new Lab.gruppen IPD controller amps. These examples demonstrate the efficiency of perfectly matched – and therefore optimally employed – components.

All the components featured in these examples, and in all our other system solutions, can be ordered directly from your local official HK AUDIO distributor.

CONTOUR ARRAY - SIMPLE LIVE CLUB >



BLOCK DIAGRAM

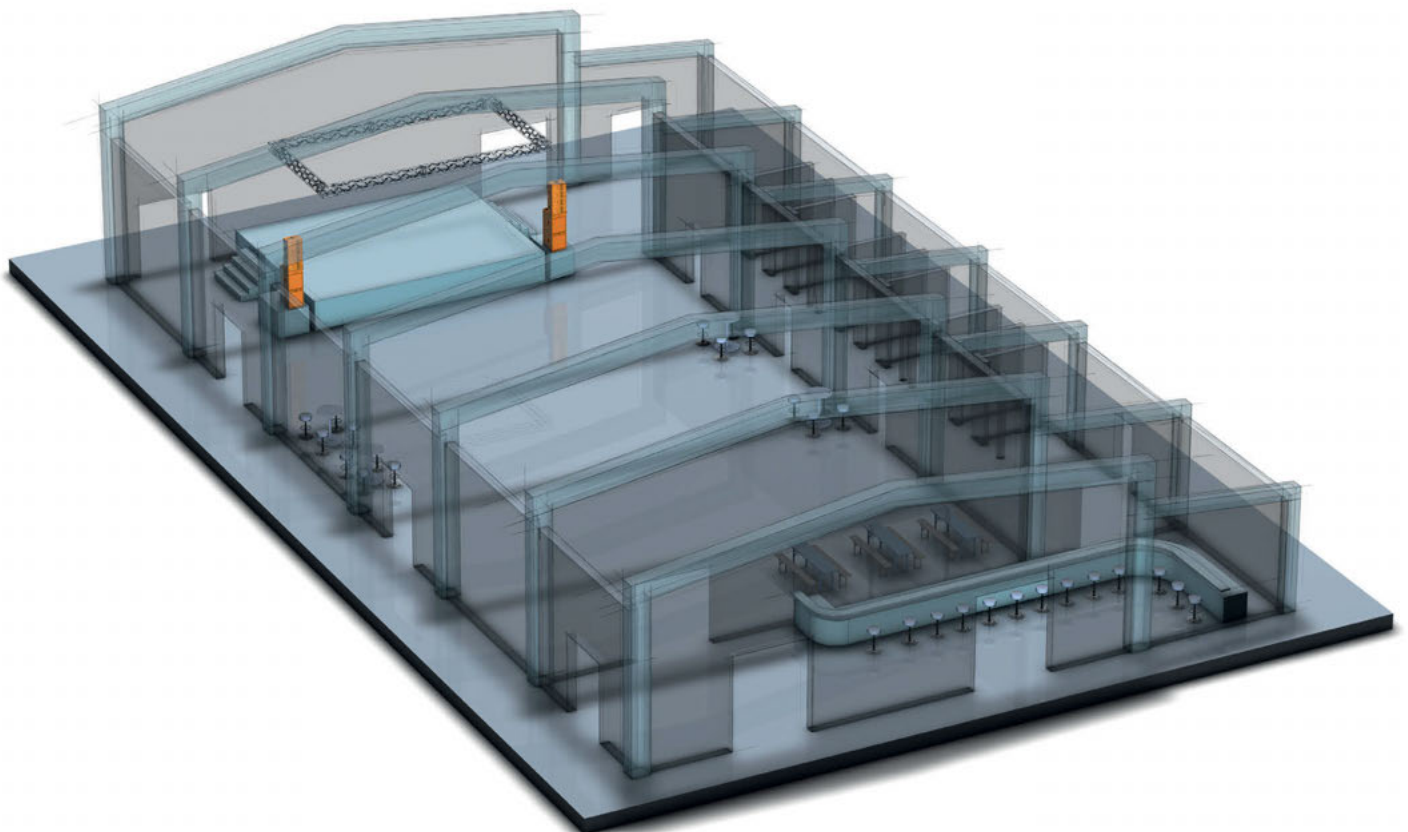


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 Mid/High Units L	CTA 208 Mid/High	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω
2 Subs	CT 118 Sub	1000 W / 8 Ω	2	2000 W / 4 Ω	1200 W / 4 Ω
3 Mid/High Units R	CTA 208 Mid/High	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω
4 Subs	CT 118 Sub	1000 W / 8 Ω	2	2000 W / 4 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

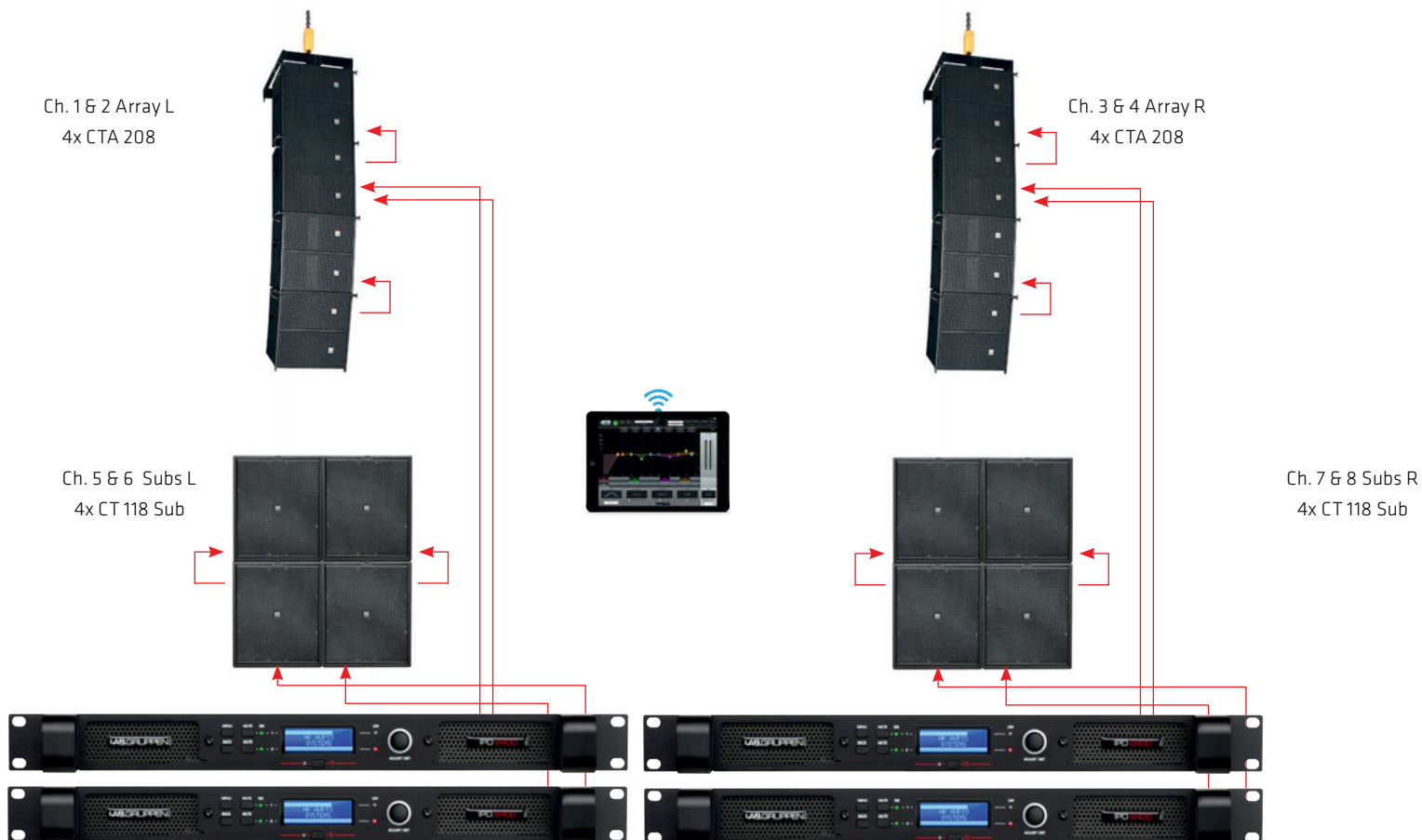
- Bridges the gap between conventional PA systems and large touring line arrays
- Able to produce a stable line array wave with great range
- HK AUDIO Acoustic Lens HF transformers (featured in our flagship COHEDRA™) integrated
- Easy and quick to set up and tear down
- Networked control via IntelliDrive Controller™ with iPad or PC (IPD)
- Binding post and Neutrik Speakon connectors (IPD)
- AES/EBU and analog inputs with redundant failover (IPD)



CONTOUR ARRAY - EFFICIENT BIG LIVE VENUE >



BLOCK DIAGRAM

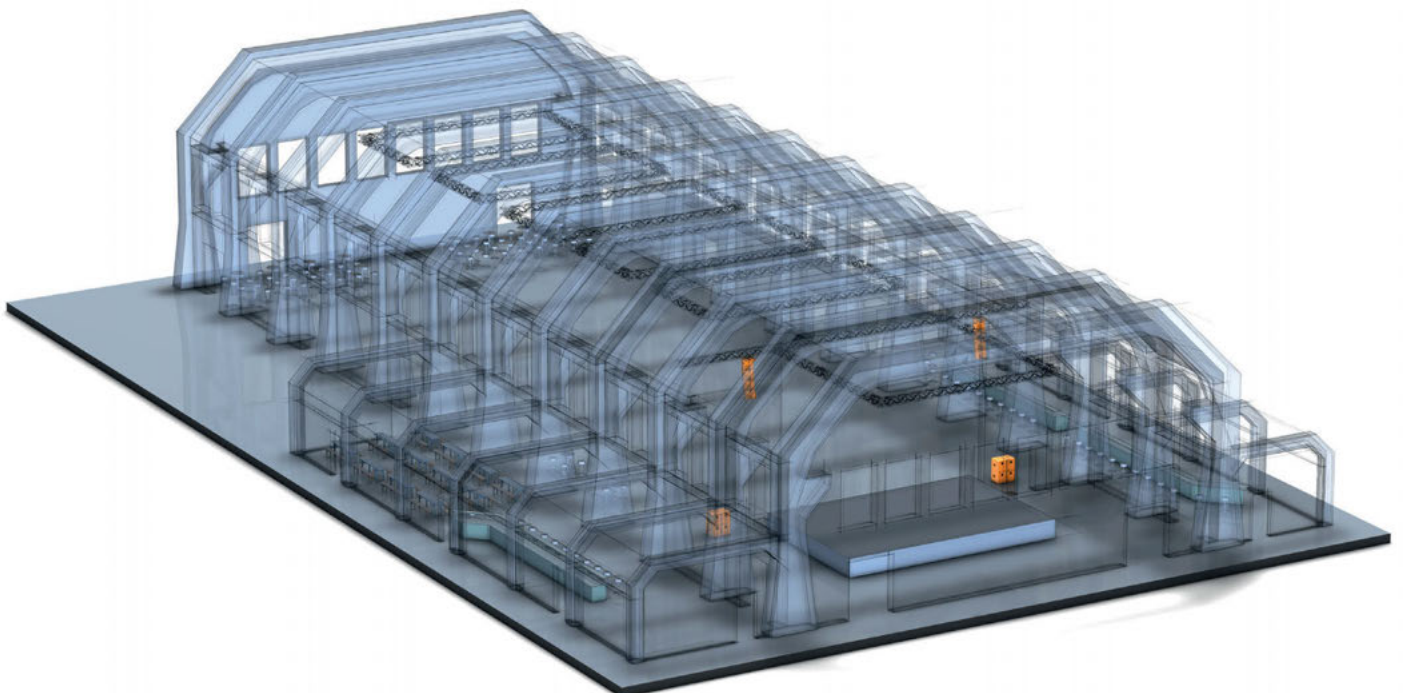


CHANNEL	PRODUCT	RMS POWER PER UNIT*	UNITS	RMS POWER ALL CABINETS	MAX POWER AMP **
1 Array L	CTA 208 Mid/High	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω
2 Array L	CTA 208 Mid/High	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω
3 Array R	CTA 208 Mid/High	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω
4 Array R	CTA 208 Mid/High	500 W / 8 Ω	2	1000 W / 4 Ω	1200 W / 4 Ω
5 Subs	CT 118 Sub	1000 W / 8 Ω	2	2000 W / 4 Ω	1200 W / 4 Ω
6 Subs	CT 118 Sub	1000 W / 8 Ω	2	2000 W / 4 Ω	1200 W / 4 Ω
7 Subs	CT 118 Sub	1000 W / 8 Ω	2	2000 W / 4 Ω	1200 W / 4 Ω
8 Subs	CT 118 Sub	1000 W / 8 Ω	2	2000 W / 4 Ω	1200 W / 4 Ω

* power-handling nominal (rms) per unit

** max output power per channel driven IPD 1200 / IPD 2400

- Bridges the gap between conventional PA systems and large touring line arrays
- Able to produce a stable line array wave with great range
- HK AUDIO Acoustic Lens HF transformers (featured in our flagship COHEDRA™) integrated
- Easy and quick to set up and tear down
- Networked control via IntelliDrive Controller™ with iPad or PC (IPD)
- Binding post and Neutrik Speakon connectors (IPD)
- AES/EBU and analog inputs with redundant failover (IPD)





CTA 208

Able to produce a stable line array wave with great range and low susceptibility to the adverse influences of wind, the CTA 208 mid/high unit delivers the performance you have come to expect from

HK AUDIO equipment. The enclosure is loaded with two 8" neodymium speakers and four 1" drivers. These high-frequency drivers are connected to two HK AUDIO Acoustic Lens HF transformers of the type featured in our flagship COHEDRA systems.

The special rigging system facilitates deployment in both long-throw and near-field applications: when users opt for the 0° setting, the individual mid/high units are not articulated; instead they form a stable and remarkably coherent

ITEM #
1006016



CT 118 SUB

Featuring a direct-loaded 18" subwoofer in a bass reflex housing, this unit operates in two-way active mode. Exceedingly compact, it is also very light owing to its neodymium woofer. Able to render signal peaks with authority even at the highest levels, it is well suited for FOH systems in clubs and as a side- or drum-fill on larger stages.

ITEM #
1006009



RIGGING FRAME

Designed for flying up to four CTA 208 mid/high units, this harness is TÜV/ BGV-C1 certified.

ITEM #
1006103



STACKING PLATE

Serving to connect ground-stacked CTA 118 Sub and CTA 208 units, the plate's tilt angle adjusts in 1.5° steps up to 9° max. It is TÜV/ BGV-C1-certified.

ITEM #
1006101



FLIGHT CASE & PROTECTIVE COVERS

Optional padded protective covers and flight cases with heavy-duty fittings and 100 mm Blue Wheels are available for all models.

ITEM #
FLIGHT CASE: 1006120
FLIGHT CASE: 1006130



DOLLY

Butterfly latches instantly fix the bins in place. The factory-included dolly protects the active circuitry against dirt and damage during transport.

ITEM #
1006098

All trademarks are property of their
respective owners.
MS D-2754, 03/2015
Version 1.0