

LINEAR 5



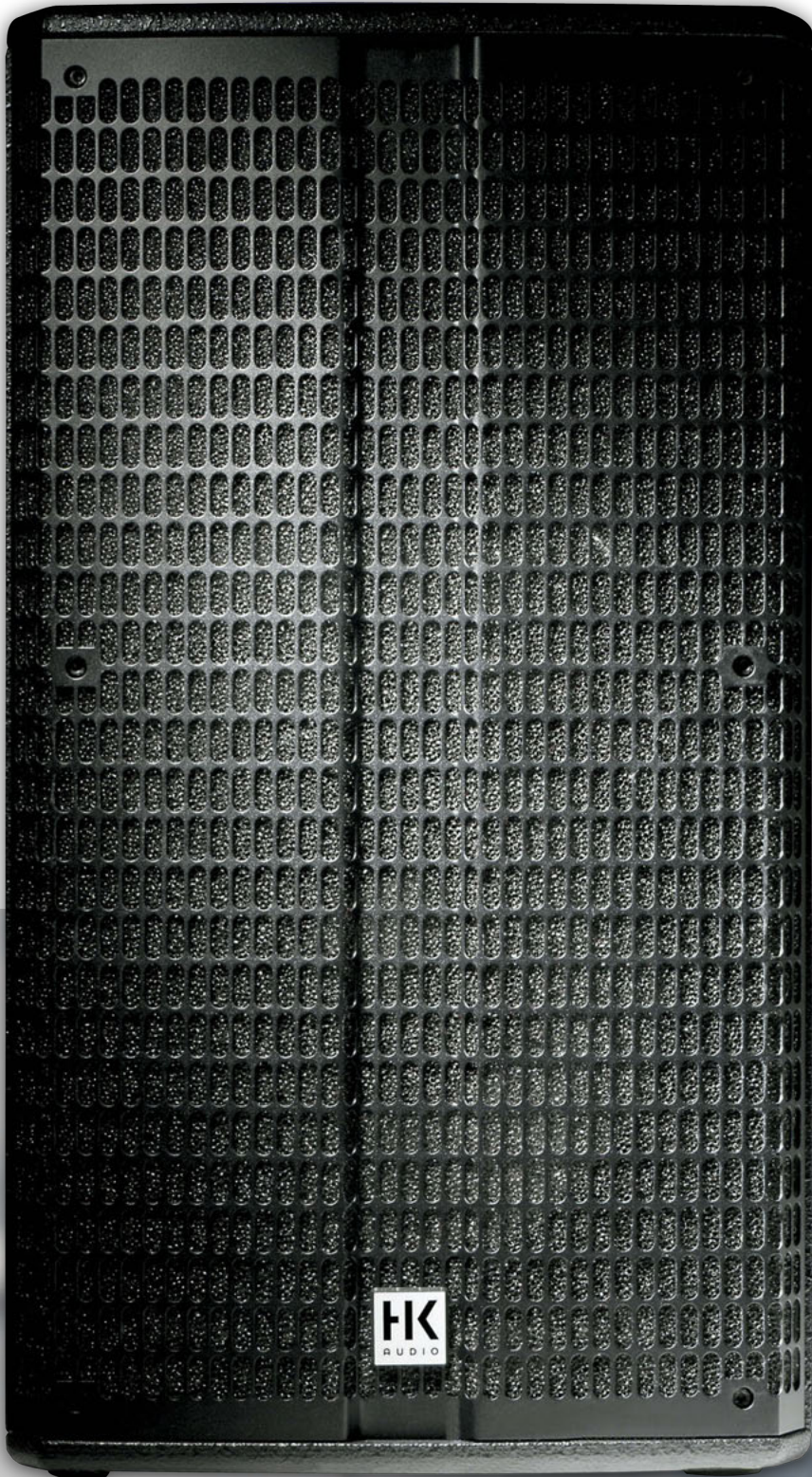
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LINEAR 5



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. No other system competing in the class of 1" drivers can match its 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 212 FA units to set up a full-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 distributed sound reinforcement systems.

Engineered by a crack R&D team that has been designing pro audio equipment for more than 25 years, Linear 5 is 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: Our customers also enjoy exemplary service provided by dealers in 55 countries around the world.



LINEAR 5



L5 112 X/XA

The 12"/1" model is housed in a multifunctional enclosure that delivers 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

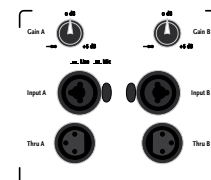
The 12"/1" fullrange top delivers the most powerful bass performance in its class. It also sports an asymmetrical horn (60° x 90° x 55°) tuned to optimize sound dispersion. The switchable EQ (High Power/ Small Venue) configures the cab's dynamic response to suit the application and location. High Power 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 serve up 1,000 watts as a stand-alone 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 for to provide the best coverage. The pattern is wider up front and grows more directed with distance, thereby achieving greater range.

Note: Perfect for everyone who loves big, bold bass!



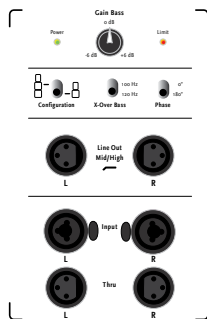


L Sub 2000/2000 A

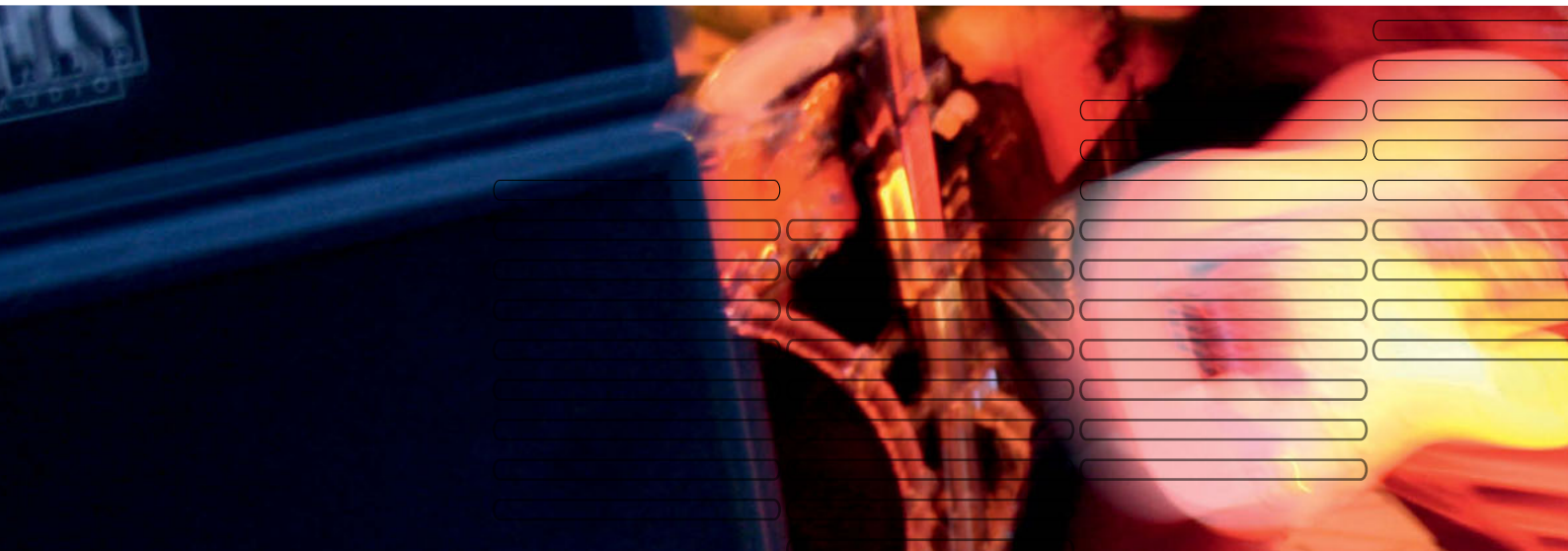
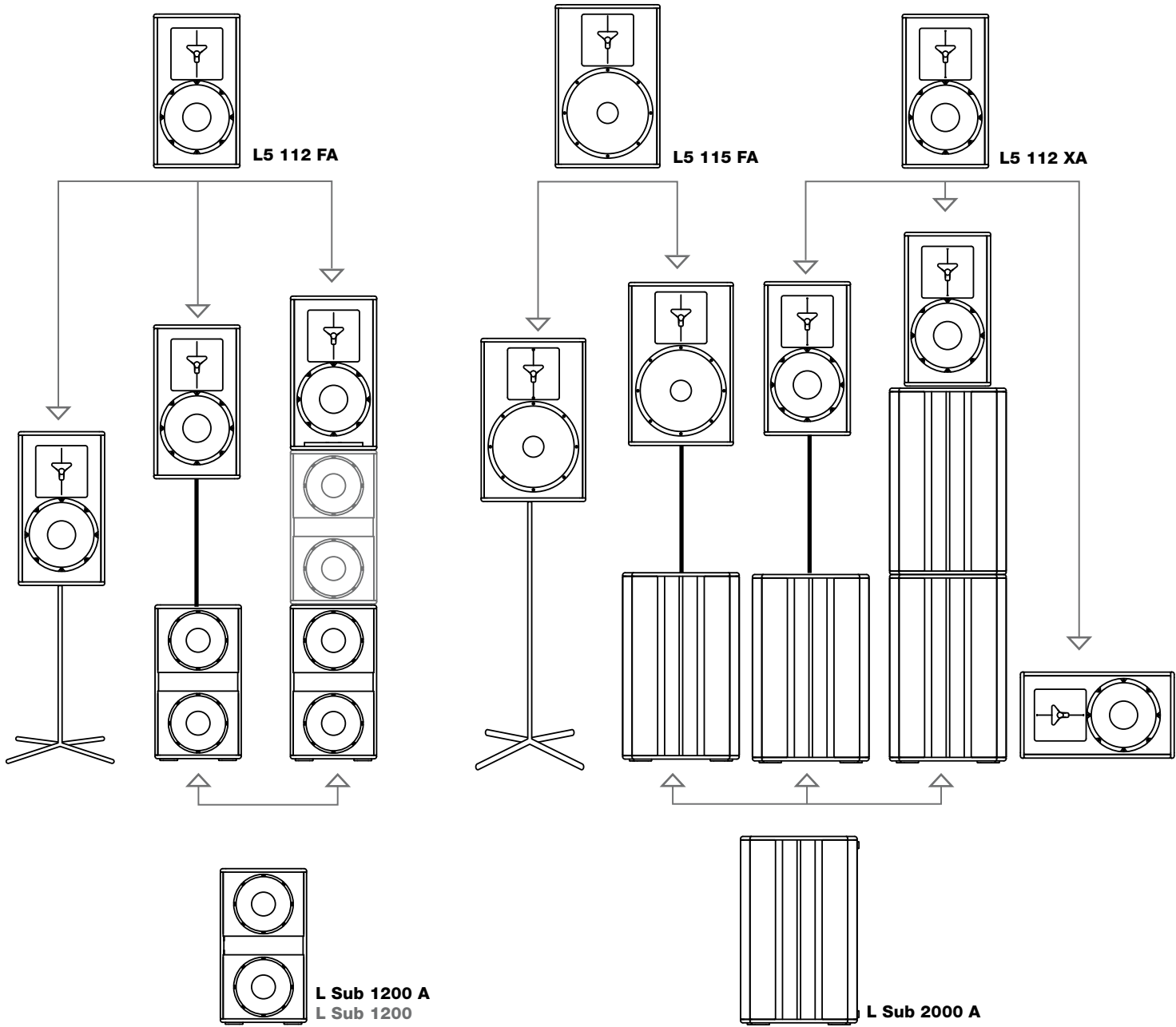
Equipped with a sixth-order double bandpass crossover, the L Sub 2000/ 2000 A is the perfect reinforcement for L5 tops. Its low-end performance in the 39 -120 Hz range is most impressive. It sports two 12" high-excursion woofers. This speaker's 2.5" voice coil comes with a state-of-the-art cooling system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

L Sub 1200/1200 A

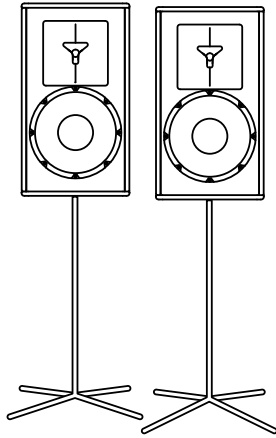
This compact and light woofer comes in a bass reflex enclosure. It is ideal for band PAs. The powered version sports a remarkably efficient 1,200 watt, Class-D power amp that can also drive a connected passive L Sub 1200. Loaded with two remarkably responsive 10" woofers, it delivers tight, snappy bass with a lot punch ranging all the way down to around 45 Hz.



Combinations



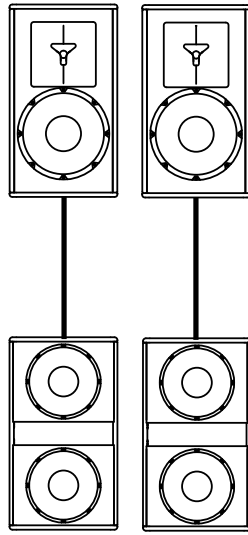
2 x L5 112 F



**Top
Sub**

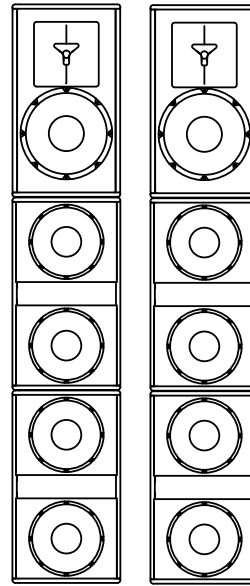
2 x 500 W / 8 Ohm

2 x L5 112 F
2 x L Sub 1200



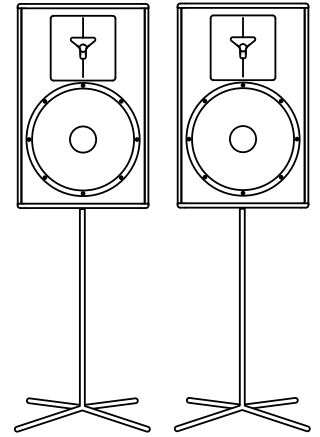
2 x 500 W / 8 Ohm
2 x 600 W / 8 Ohm

2 x L5 112 F
4 x L Sub 1200



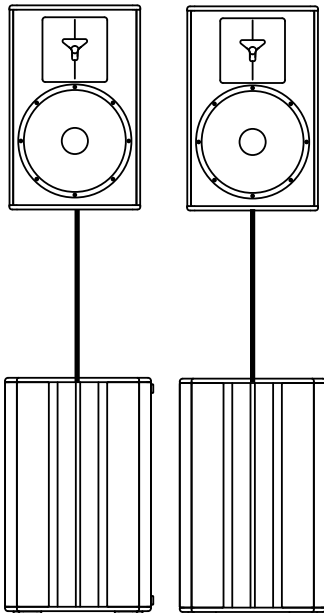
2 x 500 W / 8 Ohm
4 x 600 W / 8 Ohm
oder
2 x 1200 W / 4 Ohm

2 x L5 115 F



2 x 500 W / 8 Ohm

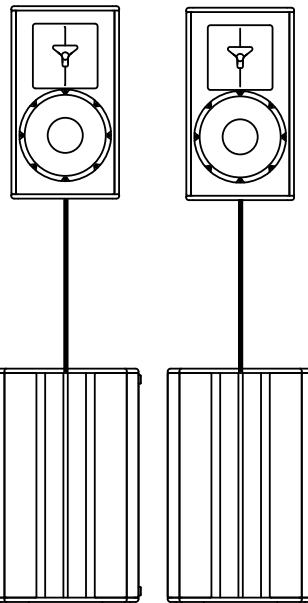
2 x L5 115 F
2 x L Sub 2000



**Top
Sub**

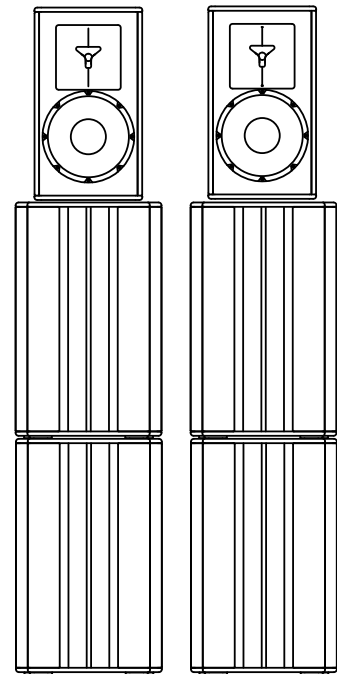
2 x 500 W / 8 Ohm
2 x 700 W / 4 Ohm

2 x L5 112 F
2 x L Sub 2000



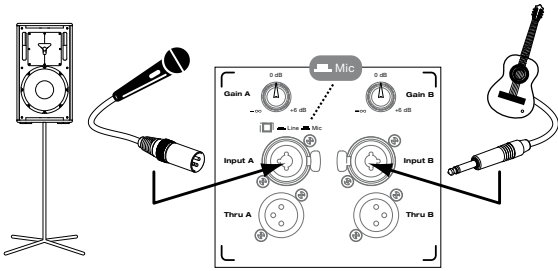
2 x 500 W / 8 Ohm
2 x 700 W / 4 Ohm

2 x L5 112 X
4 x L Sub 2000

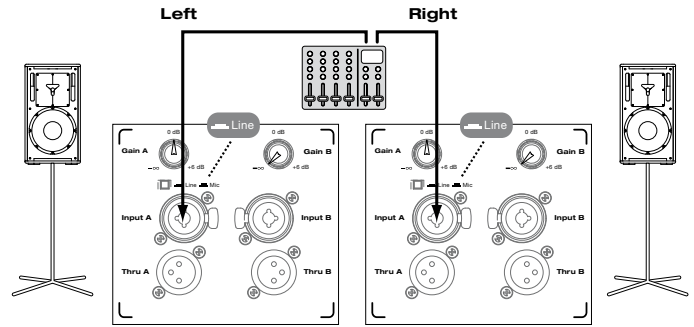


2 x 500 W / 8 Ohm
4 x 700 W / 4 Ohm
oder
2 x 1400 W / 2 Ohm

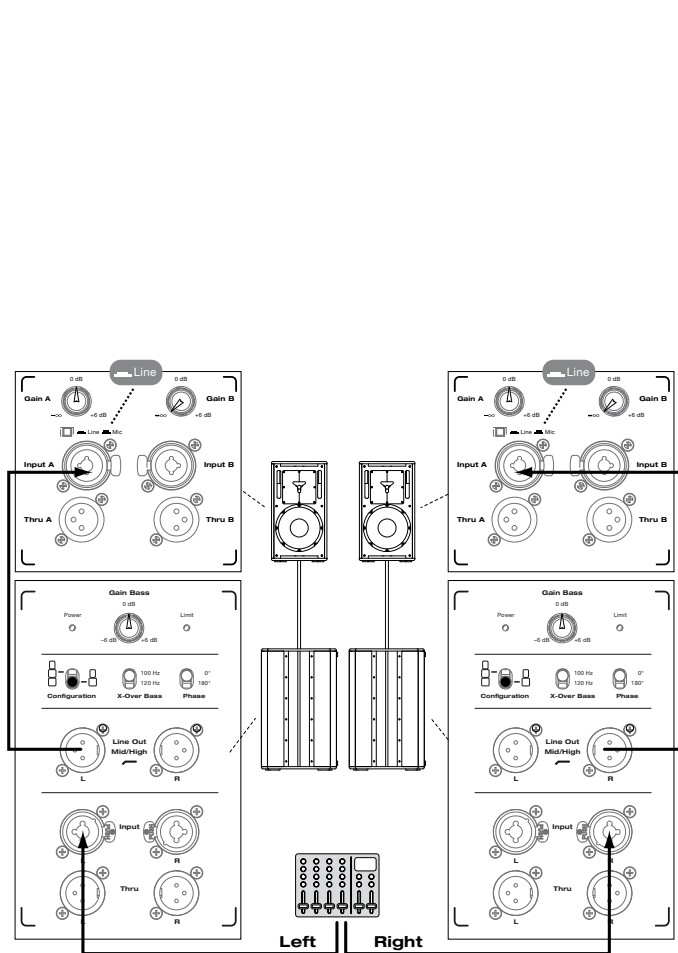
Applications



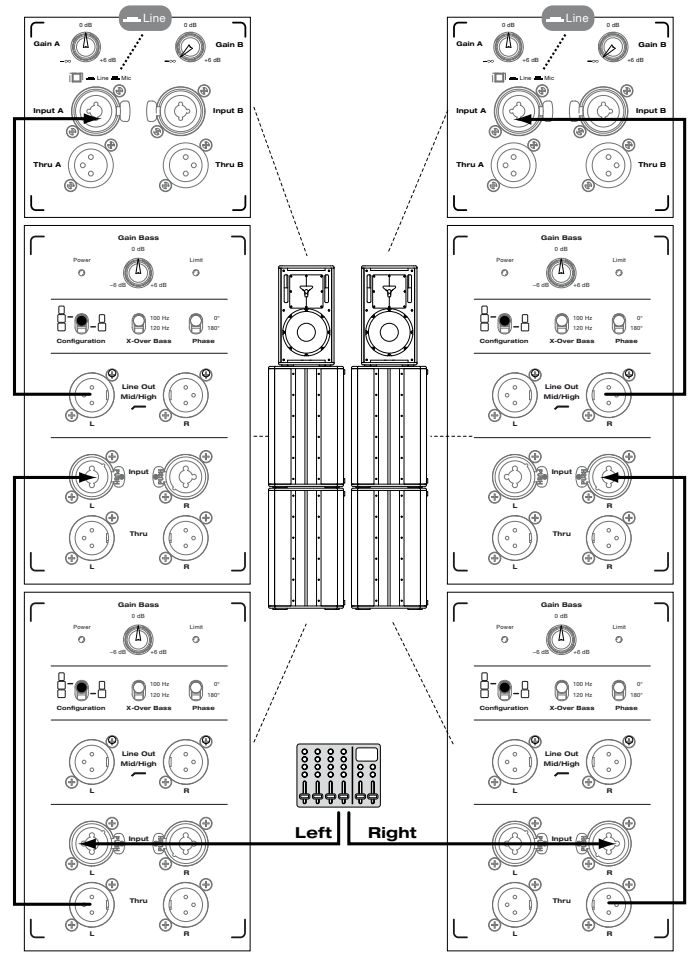
Mono Fullrange/Monitor System
L5 112 XA / L5 112 FA / L5 115 FA



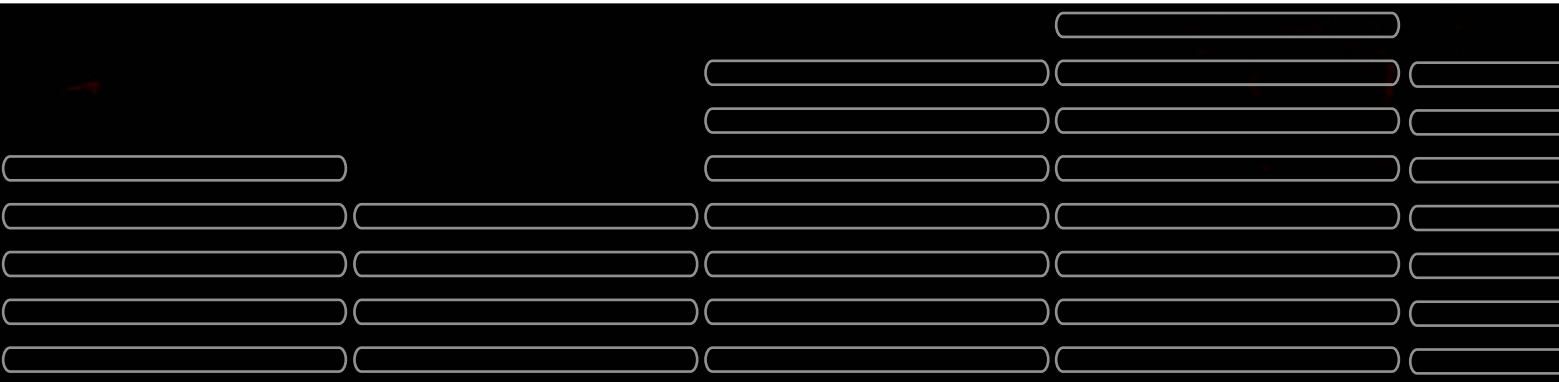
Stereo Fullrange System
L5 112 XA / L5 112 FA / L5 115 FA



Halfstack System
2 x L5 112 XA / L5 112 FA / L5 115 FA + 2 x L Sub 2000 A

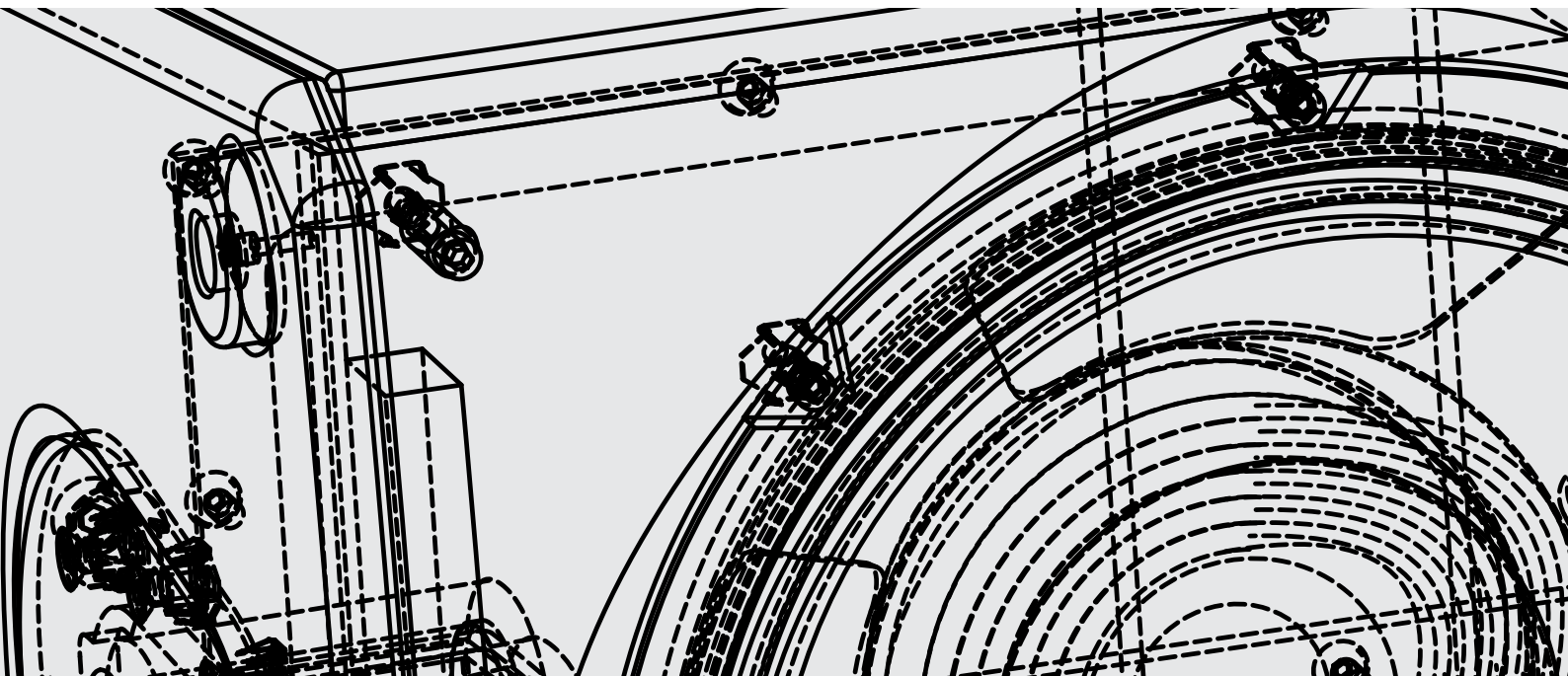


Fullstack System
2 x L5 112 XA / L5 112 FA / L5 115 FA + 4 x L Sub 2000 A

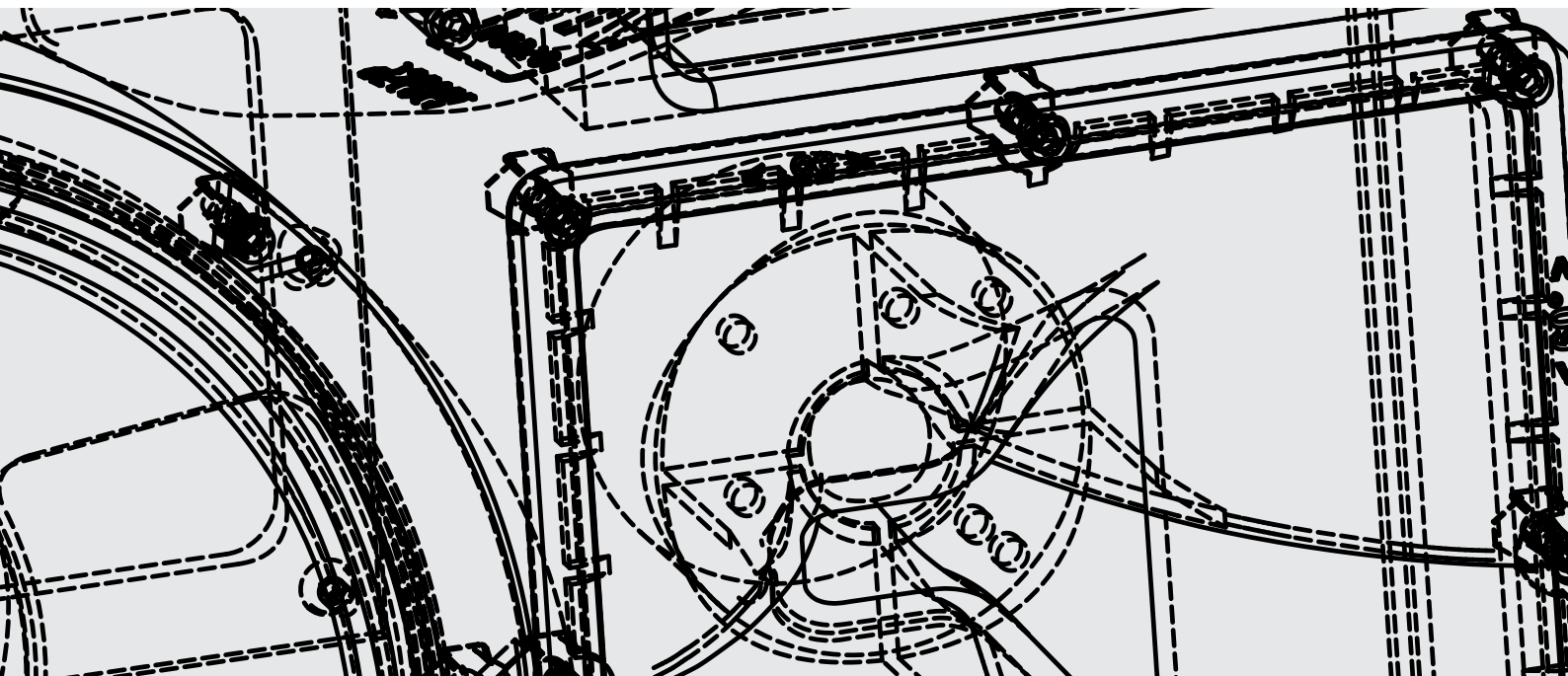


Technical data

Active	L5 112 XA	L5 112 FA	L5 115 FA	L Sub 2000 A	L Sub 1200 A
Frequency response +/- 3 dB	100 Hz - 18 kHz	64 Hz - 18 kHz	57 Hz - 18 kHz	49 Hz X-over	55 Hz - X-over
Frequency response -10 dB	72 Hz - 20 kHz	57 Hz - 20 kHz	48 Hz - 20 kHz	39 Hz - X-over	38 Hz - X-over
Axial sensitivity HF 1W/1m	110 dB full space 116 dB half space	110 dB full space 116 dB half space	110 dB full space 116 dB half space	-	-
Axial sensitivity LF 1W/1m	98 dB full space 104 dB half space	98 dB full space 104 dB half space	100 dB full space 106 dB half space	98 dB full space 104 dB half space	95 dB full space 101 dB half space
Max. SPL@10% THD	129 dB half space	127dB half space	129 dB half space	132 dB half space	128 dB half space
Max. SPL Peak@10% THD	135 dB half space	134 dB half space	139 dB half space	133 dB half space	130 dB half space
Max. SPL Calc.	138 dB half space	138 dB half space	139 dB half space	135 dB half space	131 dB half space
Amp/type	Class D – biamped	Class D – biamped	Class D – biamped	Class D	Class D
Output power	1000 W	1000 W	1000 W	1200 W	1200 W
Amp to driver	350 W @ 4 ohms	350 W @ 4 ohms	350 W @ 4 ohms	-	-
Amp to woofer	650 W @ 4 ohms	650 W @ 4 ohms	650 W @ 4 ohms	1200 W @ 4 ohms	1200 W @ 4 ohms
Protective circuits, amp	Under-voltage, thermal, short circuit, and over-current protection	Under-voltage, thermal, short circuit, and over-current protection	Under-voltage, thermal, short circuit, and over-current protection	Under-voltage, thermal, short circuit, and over-current protection	Under-voltage, thermal, short circuit, and over-current protection
Protective circuits, speakers	Subsonic 24 dB/oct. peak limiter	Subsonic 24 dB/oct. peak limiter	Subsonic 24 dB/oct. peak limiter	Subsonic 24 dB/oct. peak limiter	Subsonic 24 dB/oct. peak limiter
Power consumption	3 A/230 V nominal pursuant to EN60065	3 A/230 V nominal pursuant to EN60065	3 A/230 V nominal pursuant to EN60065	3.3 A/230 V nominal pursuant to EN60065	3.3 A/230 V nominal pursuant to EN60065
Input sensitivity	+4 dBu @ Gain center-click / L5 system level	+4 dBu @ Gain center-click / L5 system level	+4 dBu @ Gain center-click / L5 system level	+4 dBu @ Gain center-click	+4 dBu @ Gain center-click
Audio ports	2x XLR In, 2x XLR Thru, 1x XLR Mix Out	2 x XLR In, 2 x XLR Thru, 1 x XLR Mix Out	2 x XLR In, 2 x XLR Thru, 1x XLR Mix Out	2 x XLR In, 2 x XLR Thru, 2 x XLR Mid/High-Out	2 x XLR In, 2 x XLR Thru, 2 x XLR Mid/High-Out
Mains connector	1x IEC socket with V-Lock cord retainer	1x IEC socket with V-Lock cord retainer	1 x IEC socket with V-Lock cord retainer	1 x IEC socket with V-Lock cord retainer	1x IEC socket with V-Lock cord retainer
Bass woofer	1x 12" with 2.5" voice coil (4 ohms)	1x 12" with 2.5" voice coil (4 ohms)	1 x 15" with 3" voice coil (4 ohms)	2 x 12" (8 ohms) with 2.5" voice coil featuring Advanced Cooling technology	2 x 10" (4 ohms) with 2" voice coil
HF driver	1" with 1.75" voice coil (16 ohms)	1" with 1.75" voice coil (16 ohms)	1" with 1.75" voice coil (16 ohms)	-	-
Horn directivity	60° x 40° CD horn, rotatable	60°–90° (asy.) x 55° CD horn, rotatable	60°–90° (asy.) x 55° CD horn, rotatable	-	-
X-over	1.65 kHz, 24 dB/oct. active	1.65 kHz, 24 dB/oct. active	1.65 kHz, 24 dB/oct. active	100/120 Hz variable with 24 dB/oct.	100/130 Hz variable with 24 dB/oct.
Pole mount	DuoTilt 3/7	DuoTilt 3/7	DuoTilt 3/7	M20	2 x M20
Suspension points	3 x M8	3 x M8	3 x M8	-	-
Grips	2, integrated	2, integrated	2, integrated	4, integrated	4, integrated
Optional accessories	Protective cover	Protective cover	Protective cover	Protective cover, 100 mm Blue Wheels, Tilt Unit	Protective cover, 100 mm Blue Wheels, Tilt Unit
Housing	Hybrid (birch multiplex / MDF)	Hybrid (birch multiplex / MDF)	Hybrid (birch multiplex / MDF)	Birch multiplex 15/18 mm, 9/13 ply	Birch multiplex 15/18 mm, 9/13 ply
Front grille	2 mm metal grille backed with black acoustic foam	2 mm metal grille backed with black acoustic foam	2 mm metal grille backed with black acoustic foam	2 mm metal grille	2 mm metal grille
Finish	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black
Dimensions (WxDxH)	37 x 66.8 x 30 cm	37 x 66.8 x 36.5 cm	44.9 x 70.8 x 45 cm	50.6 x 80.6 x 61 cm	38 x 66.8 x 56 cm
Weight	21.1 kg / 46.5 lbs	23.9 kg / 52.7 lbs	30.7 kg / 67.7 lbs	46.2 kg / 101.9 lbs	30.7 kg / 67.7 lbs



Passive	L5 112 X	L5 112 F	L5 115 F	L Sub 2000	L Sub 1200
Frequency response +/- 3 dB	100 Hz - 18 kHz	70 Hz - 18 kHz	60 Hz - 18 kHz	49 Hz X-over	55 Hz - X-over
Frequency response -10 dB	72 Hz - 20 kHz	60 Hz - 19 kHz	55 Hz - 20 kHz	39 Hz - X-over	38 Hz - X-over
Axial sensitivity 1W/1m	105 dB	104 dB	106 dB	104 dB	101 dB
Power handling					
Continuous	500 W	500 W	600 W	700 W	600 W
Program	1000 W	1000 W	1200 W	1400 W	1200 W
Peak	2000 W	2000 W	2400 W	2800 W	2400 W
Max. SPL@10% THD	129 dB half space	128 dB half space	130 dB half space	134 dB half space	128 dB half space
Max. SPL Peak@10% THD	135 dB half space	134 dB half space	139 dB half space	135 dB half space	130 dB half space
Audio ports	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4
Bass woofer	1 x 12" with 2.5" voice coil	1 x 12" with 2.5" voice coil	1 x 15" with 3" voice coil	2 x 12" with 2.5" voice coil featuring Advanced Cooling technology	2 x 10" with 2" voice coil
HF driver	1" with 1.75" voice coil	1" with 1.75" voice coil	1" with 1.75" voice coil	-	-
Nominal impedance	8 ohms	8 ohms	8 ohms	4 ohms	8 ohms
Horn directivity	60° x 40° CD horn, rotatable	60°-90° (asy.) x 55° CD horn, rotatable	60°-90° (asy.) x 55° CD horn, rotatable	-	-
X-over	1.7 kHz, 12 dB/oct. passive	1.7 kHz, 12 dB/oct. passive	1.7 kHz, 12 dB/oct. passive	Controller driven	Controller driven
Pole mount	DuoTilt 3/7	DuoTilt 3/7	DuoTilt 3/7	M20	2xM20
Suspension points	3 x M8	3 x M8	3 x M8	-	-
Grips	2, integrated	2, integrated	2, integrated	4, integrated	4, integrated
Optional accessories	Protective cover	Protective cover	Protective cover	Protective cover, 100 mm Blue Wheels, Tilt Unit	Protective cover, 100 mm Blue Wheels, Tilt Unit
Housing	Hybrid (birch multiplex / MDF)	Hybrid (birch multiplex / MDF)	Hybrid (birch multiplex / MDF)	Birch multiplex 15/18 mm, 9/13 ply	Birch multiplex 15/18 mm, 9/13 ply
Front grille	2 mm metal grille backed with black acoustic foam	2 mm metal grille backed with black acoustic foam	2 mm metal grille backed with black acoustic foam	2 mm metal grille	2 mm metal grille
Finish	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black
Dimensions (W x H x D)	37 x 66.8 x 30 cm	37 x 66.8 x 36.5 cm	44.9 x 70.8 x 45 cm	50.6 x 80.6 x 61 cm	38 x 66.8 x 56 cm
Weight	19.5 kg / 43 lbs	23.3kg / 51.4 lbs	30.1 kg / 66.4 lbs	44.3kg / 97.7 lbs	29 kg / 63.9 lbs



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