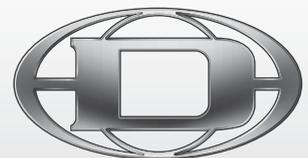




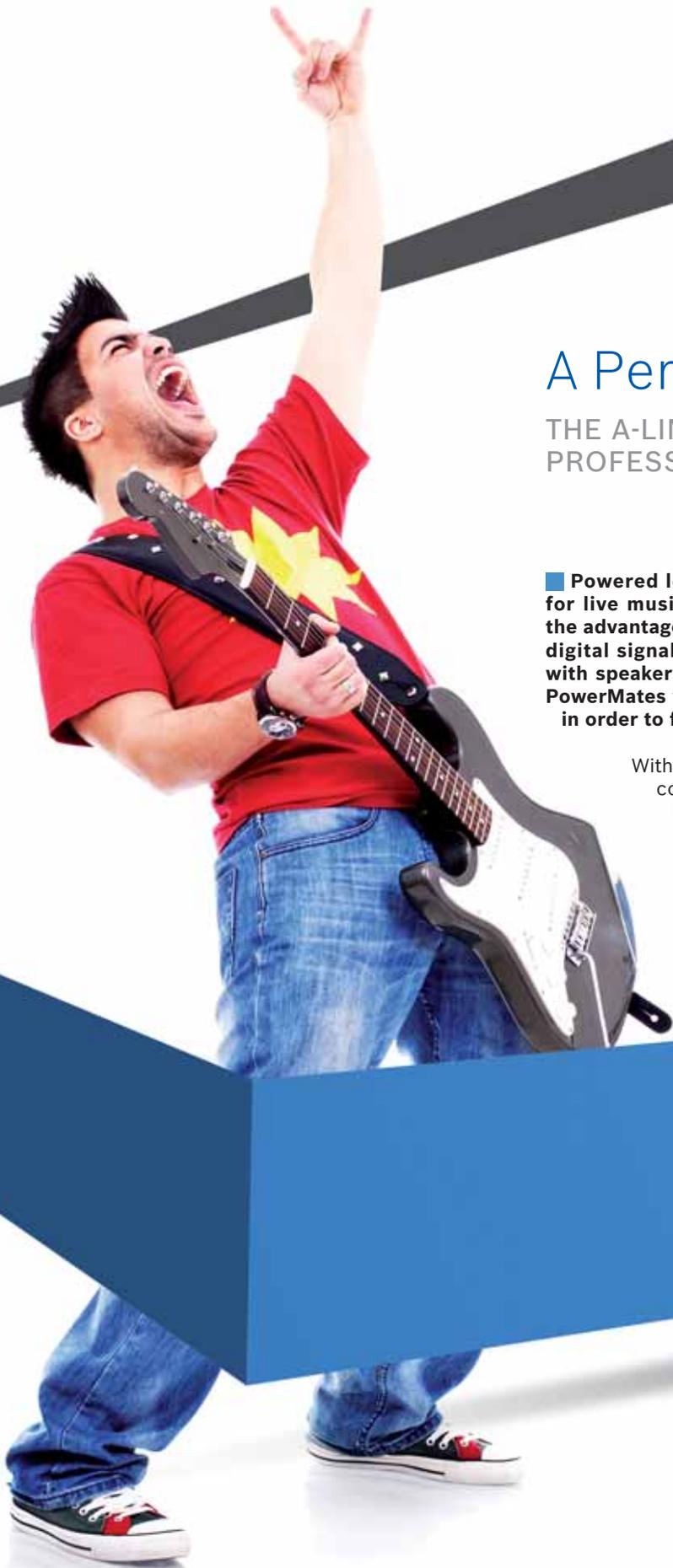
A-Line

LOUDSPEAKER SYSTEM

Mobile Audio | Concert Sound | Fixed Installation | Pro Entertainment



DYNACORD
GERMAN ENGINEERING EXCELLENCE



A Perfect Match

THE A-LINE IS YOUR ENTRY TO PROFESSIONAL DYNACORD LIVE SOUND

■ Powered loudspeakers have become very popular for live music applications. A key reason for this is the advantage of having onboard power amplifiers and digital signal processors that are perfectly matched with speaker components. Many users of DYNACORD PowerMates would prefer the passive A-Line speakers in order to fully utilize their premium power mixers.

With its A-Line, DYNACORD offers a family of very competitively priced powered and passive loudspeakers designed to address a wide range of small-to-medium sound reinforcement applications.



A 112A | A 115A | A 118A

POWERED LOUDSPEAKERS



A-Line powered includes three models: a 12-inch, two-way fullrange; a 15-inch, two-way fullrange; and a perfectly matching 18-inch subwoofer.

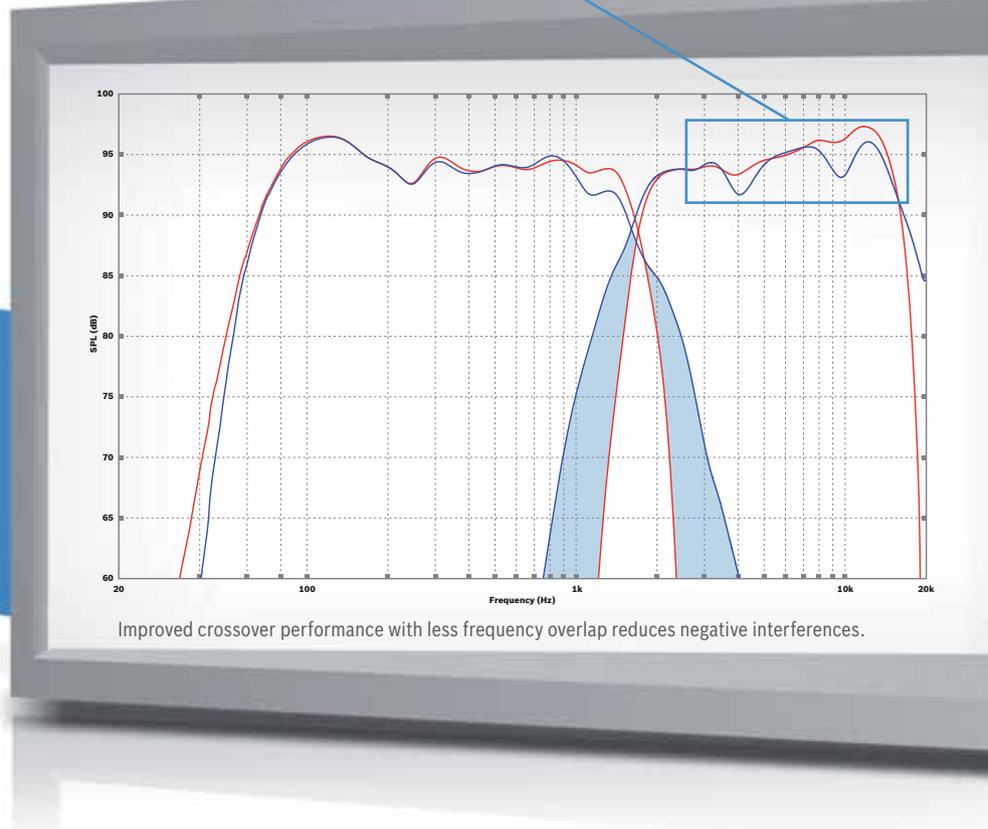
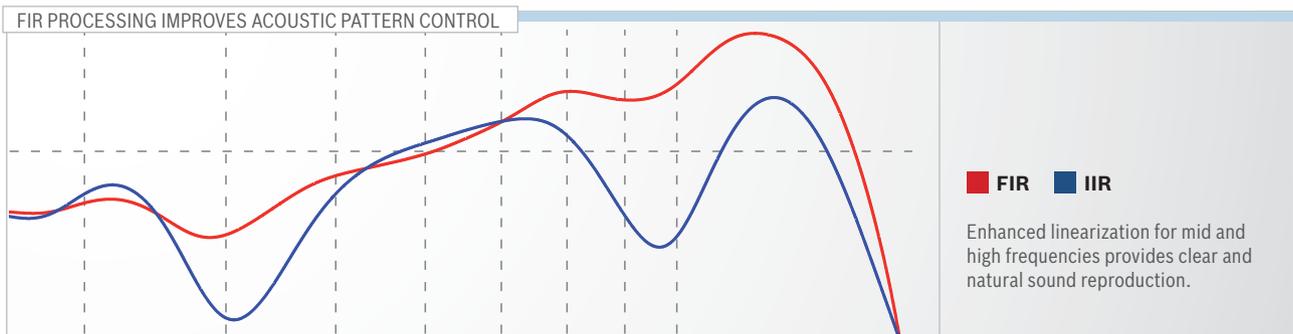
All three models feature solid 15-mm plywood enclosures that combine durability with low weight. A high-quality black paint finish and steel grille offer road-ready ruggedness and a professional appearance.

The fullrange models are equipped with either a 12-inch EVS-12K woofer (A 112A) or a 15-inch EVS-15K (A 115A), and feature a 1.5-inch titanium diaphragm compression driver radiating into a 90 x 50-degree (H x V) high-

frequency waveguide. Both the cabinets provide an asymmetrical footprint, with a 60-degree monitor angle allowing for alternative use as a powered floor monitor.

The onboard power modules of A 112A and A 115A combine lightweight Class-D dual-channel power amplifiers (biamping) with a total of 500 W (IHF-A), along with digital signal processing for crossover (24 dB/octave slope), EQ, and advanced digital speaker protection.

The linearization of transfer function in both cabinets is provided by state-of-the-art **FIR filter** technology.





The control and connector panels are designed for intuitive operation and versatile connectivity.

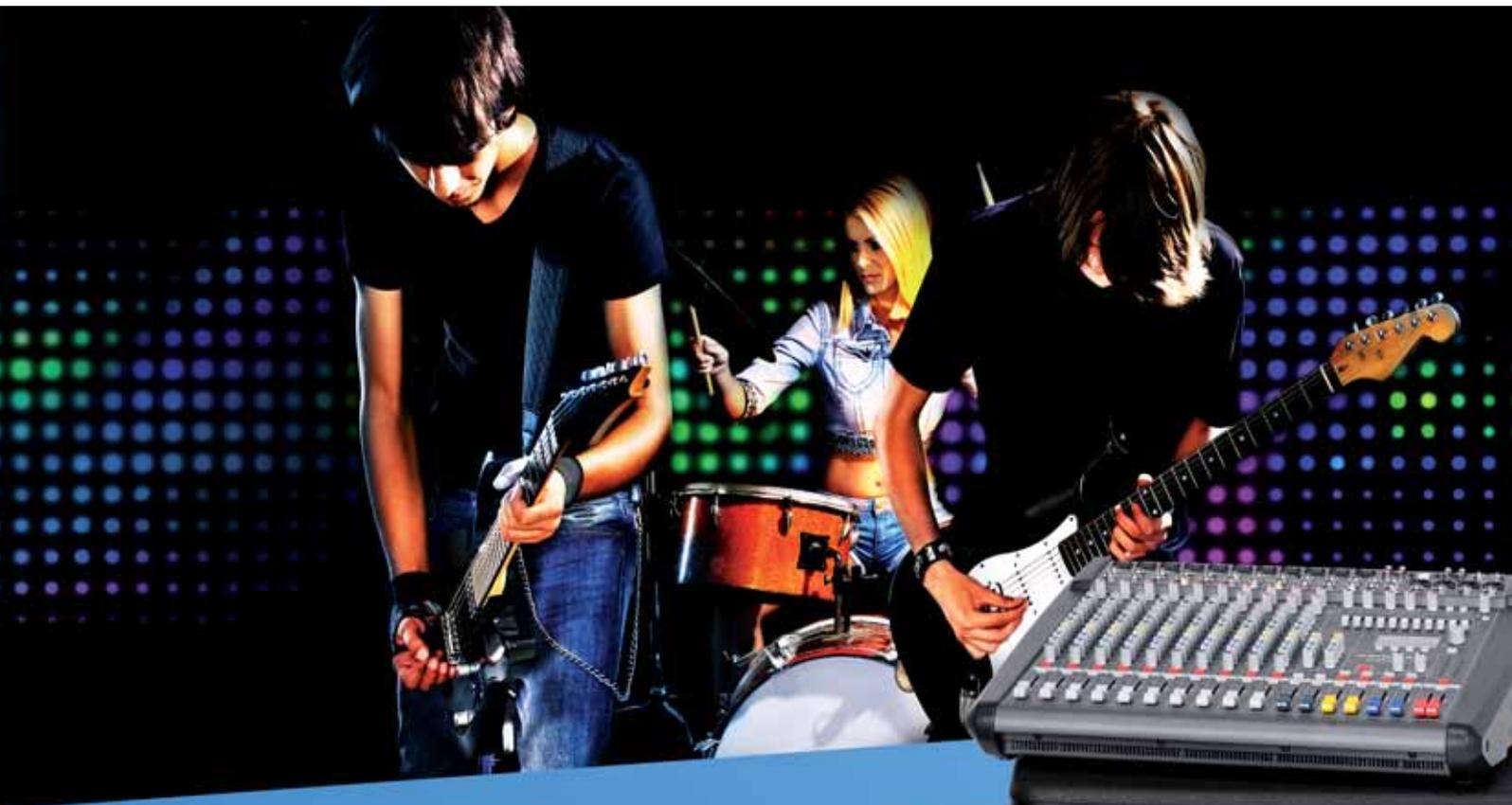
The two-channel mixer section offers an XLR/TRS combo connector (Line 1), stereo RCA sockets, and a level control in the Input 1 channel, and a second XLR/TRS combo connector (Line 2) which is switchable for microphone or line sensitivity in channel Input 2.

For daisy-chaining to other devices, there is an XLR link output available which can be set to feed either the Line 1 or the mix signal.

In the Master section we find the overall Volume control, along with a switch for selecting the dedicated EQ setting for either Main or Monitor operation. A second switch activates a high-pass filter when using the fullrange cabinets in combination with a powered subwoofer (A 118A).

The powered subwoofer A 118A features a similar power module with 400 W peak power [IHF-A], Master Volume control, a phase-inversion switch, an XLR/TRS combo input connector, and an XLR link output socket.

Setting up a small—yet very powerful—system turns out to be a piece of cake when combining with DYNACORD CMS mixing consoles (e.g. CMS 600-3). They are the perfect fit and offer a broad range of advanced features in concert sound quality.



A 112 | A 115 | A 118

PASSIVE LOUDSPEAKERS

■ **The passive versions of the A-Line family are identical to the powered versions, but do not have onboard DSP and amplification.**

Acoustically, they sound very close to the powered versions. These cabinets are ideal and very affordable options for creating systems

with powered mixers, such as the unique PowerMate³ family units.

Combinations with 2 x 1000 W PowerMate³ models allow for safe operation and ultimate dynamics when using the matching speaker protection feature of these powered mixers.

Specifications

A-LINE FAMILY

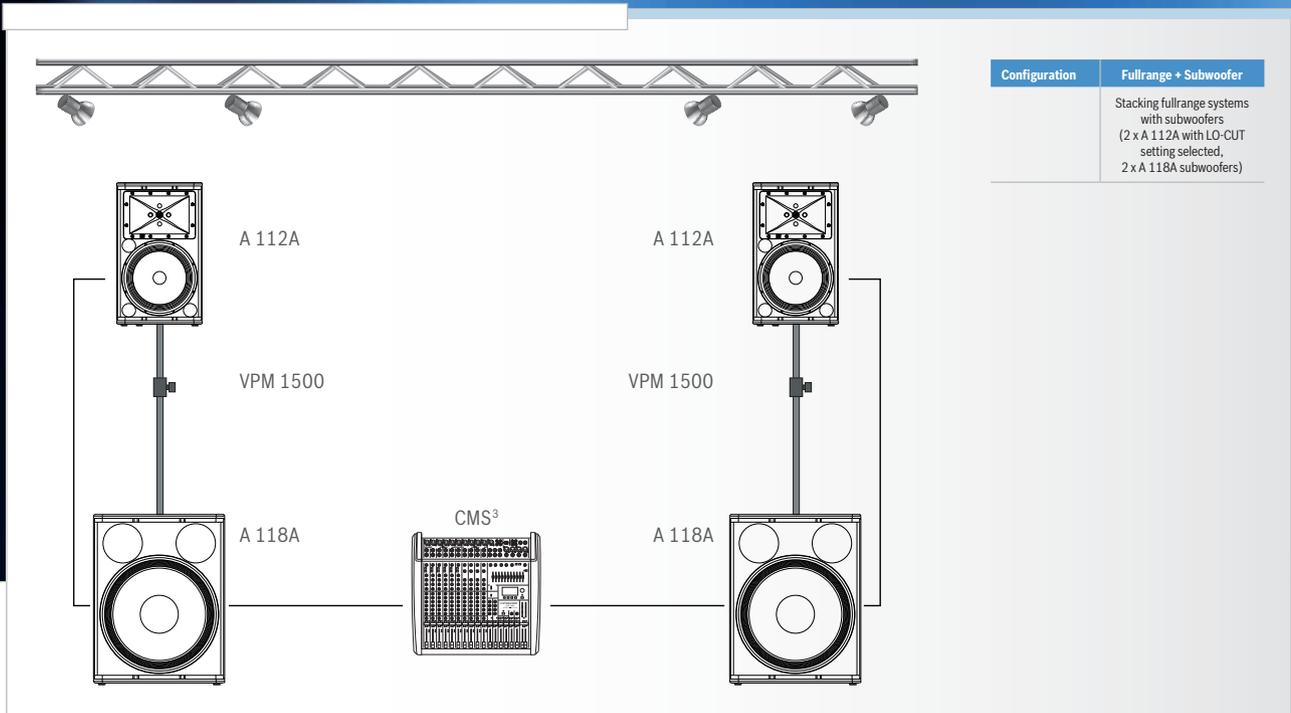
Property	A 112A	A 115A	A 118A
Order No.	230 V: F01U270188 (A112A-230V) 120 V: F01U275161 (A112A-120V)	230 V: F01U270189 (A115A-230V) 120 V: F01U275163 (A115A-120V)	230 V: F01U270190 (A118A-230V) 120 V: F01U275164 (A118A-120V)
Cabinet	Powered two-way fullrange speaker, 12" woofer, 1.5" compression driver, vented design	Powered two-way fullrange speaker, 15" woofer, 1.5" compression driver, vented design	Powered Subwoofer 1 x 18", vented design
Maximum Amplifier Output Capability, IHF-A	500 W		400 W
Amplifier Power RMS	420 W		305 W
Output Stage Topology, amplifier	Class D		
Max. SPL 1m / calc.	121 dB	124 dB	123 dB
Frequency Range (-10 dB)	55 Hz to 17 kHz	50 Hz to 17 kHz	40 Hz to 130 Hz
Frequency Response (-3 dB)	65 Hz to 16 kHz	60 Hz to 16 kHz	50 Hz to 100 Hz
Nominal Coverage Angle (Horizontal x Vertical)	90° x 50°		Omnidirectional
Audio Input (LINE 1 or LINE 2/MIC)	INPUT 1: XLR and 1/4" TRS combination INPUT 2: XLR and 1/4" TRS combination		INPUT: XLR and 1/4" TRS combination
Audio Input (AUX)	Stereo RCA, unbalanced		-
Audio Output (LINK OUTPUT)	XLR, balanced		
Digital Signal Processing	28/56-Bit, 48 kHz		
Crossover Frequency	1.7 kHz		100 Hz
Switchable Phase (Polarity)	-	-	0°, 180°
LF Transducer	1 x EVS-12K, 305 mm (12"), F01U250937	1 x EVS-15K, 381 mm (15"), F01U250940	1 x EVS-18K, 457 mm (18"), F01U250964
HF Transducer	DH-1K, 39 mm (1.5"), Titanium Diaphragm Compression Driver, F01U250928		-
Power Requirement	230 V: 220 to 240 V AC, 50 to 60 Hz, 0.6 A, IEC inlet 120 V: 100 to 120 V AC, 50 to 60 Hz, 1.0 A, IEC inlet		
Safety Class	I		
Operating Temperature Range	0°C to 40°C		
Dimensions (W x H x D)	607 mm x 362 mm x 340 mm	708 mm x 432 mm x 382 mm	661 mm x 507 mm x 574 mm
Net Weight	16.8 kg	22.5 kg	31.3 kg
Shipping Weight	21.9 kg	28.4 kg	40.1 kg
Enclosure Material	15 mm Multi-ply wood		
Finish	Textured paint		
Grille	18 GA steel with black powder coat		
Handles	1	2	2
Optional Accessories			
Dust Cover	SH-112A: F01U270395	SH-115A: F01U270396	SH-118A: F01U270397
VPM 1500, variable speaker pole	F01U141047		-
BS 35, speaker stand	F01U141046		-

Device in rated condition, DSP flat, amplifier load 8 ohms, dual channel, mains voltage 230 V/50 Hz, unless otherwise specified.

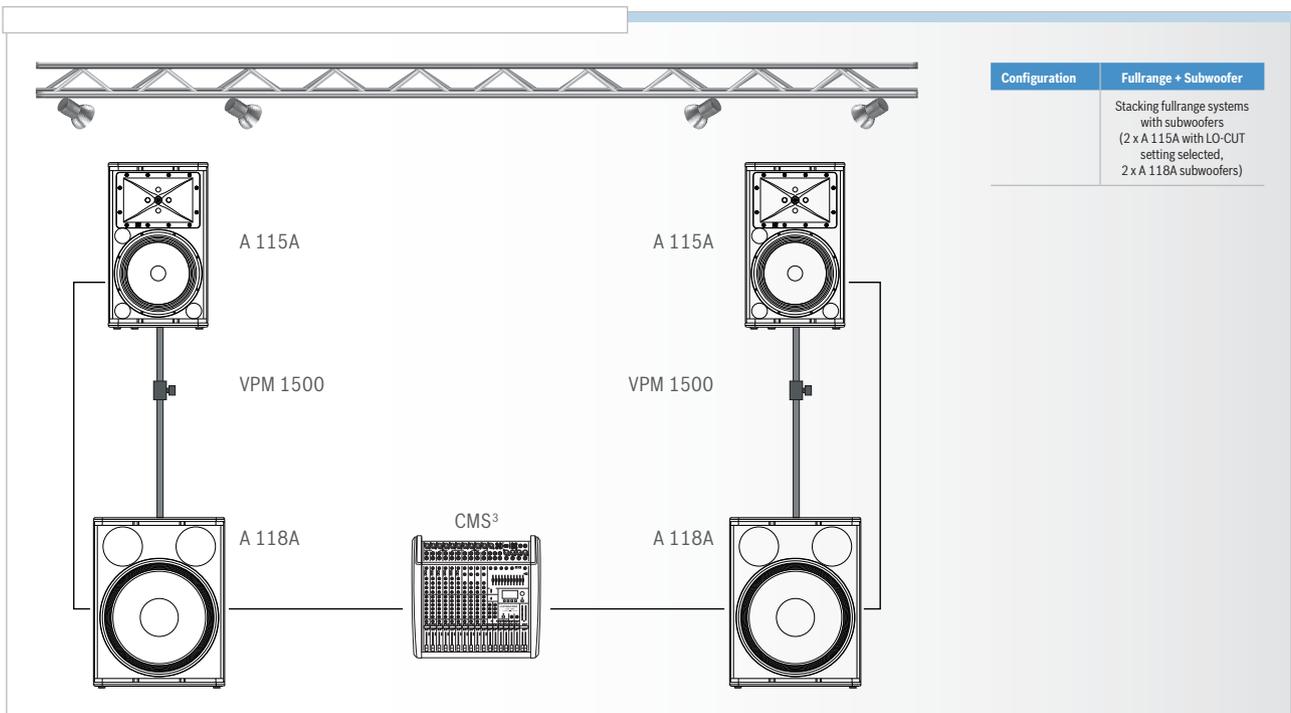
Property	A 112	A 115	A 118
Order No.	F01U270185	F01U270186	F01U270187
Cabinet	Fullrange	Fullrange	Subwoofer
Nominal impedance	8 Ohms	8 Ohms	8 Ohms
Minimum impedance	7.0 Ohms	7.4 Ohms	6.7 Ohms
Power Handling			
continuous	250 W	400 W	400 W
program	500 W	800 W	800 W
peak	1000 W	1600 W	1600 W
Max. SPL (calculated with peak power)	124 dB	129 dB	128 dB
Axial Sensitivity	94 dB	97 dB	96 dB
Frequency Range (-10 dB)	55 Hz to 20 kHz	55 Hz to 20 kHz	40 Hz to 200 Hz
Frequency Response (-3 dB)	82 Hz to 18 kHz	75 Hz to 18 kHz	50 Hz to 100 Hz
Recommended HP Frequency	45 Hz	40 Hz	30 Hz
Coverage (Horizontal x Vertical)	90° x 50°	90° x 50°	Omnidirectional
LF Transducer	1 x EVS-12K, 305 mm (12"), F01U250937	1 x EVS-15K, 381 mm (15"), F01U250940	1 x EVS-18K, 457 mm (18"), F01U250964
HF Transducer	DH-1K, 39 mm (1.5"), Titanium Diaphragm Compression Driver, F01U250928	DH-1K, 39 mm (1.5"), Titanium Diaphragm Compression Driver, F01U250928	-
Crossover Frequency	2.1 kHz	2.1 kHz	-
Connectors	2 x Neutrik Speakon NL4	2 x Neutrik Speakon NL4	2 x Neutrik Speakon NL4
Enclosure Material	9-ply, 15 mm Plywood, internally braced, with textured paint	9-ply, 15 mm Plywood, internally braced, with textured paint	9-ply, 15 mm Plywood, internally braced, with textured paint
Grille	18-GA Steel with black powdercoat	18-GA Steel with black powdercoat	18-GA Steel with black powdercoat
Handles	1	2	2
Dimensions (H x W x D)	607 mm x 362 mm x 340 mm	708 mm x 432 mm x 382 mm	661 mm x 507 mm x 574 mm
Net Weight	16.0 kg	21.9 kg	30.6 kg
Shipping Weight	20.3 kg	27.1 kg	37.3 kg
Warranty	5 years	5 years	5 years
Optional Accessories			
VPM 1500, variable speaker pole	F01U141047	F01U141047	-
BS 35, speaker stand	F01U141046	F01U141046	-
Dust Cover	SH-112A: F01U270395	SH-115A: F01U270396	SH-118A: F01U270397
Recommended extensions			
A 118 Subwoofer	F01U270187	F01U270187	-
A 112 12" fullrange cabinet	-	-	F01U270185
A 115 15" fullrange cabinet	-	-	F01U270186

Application Guide

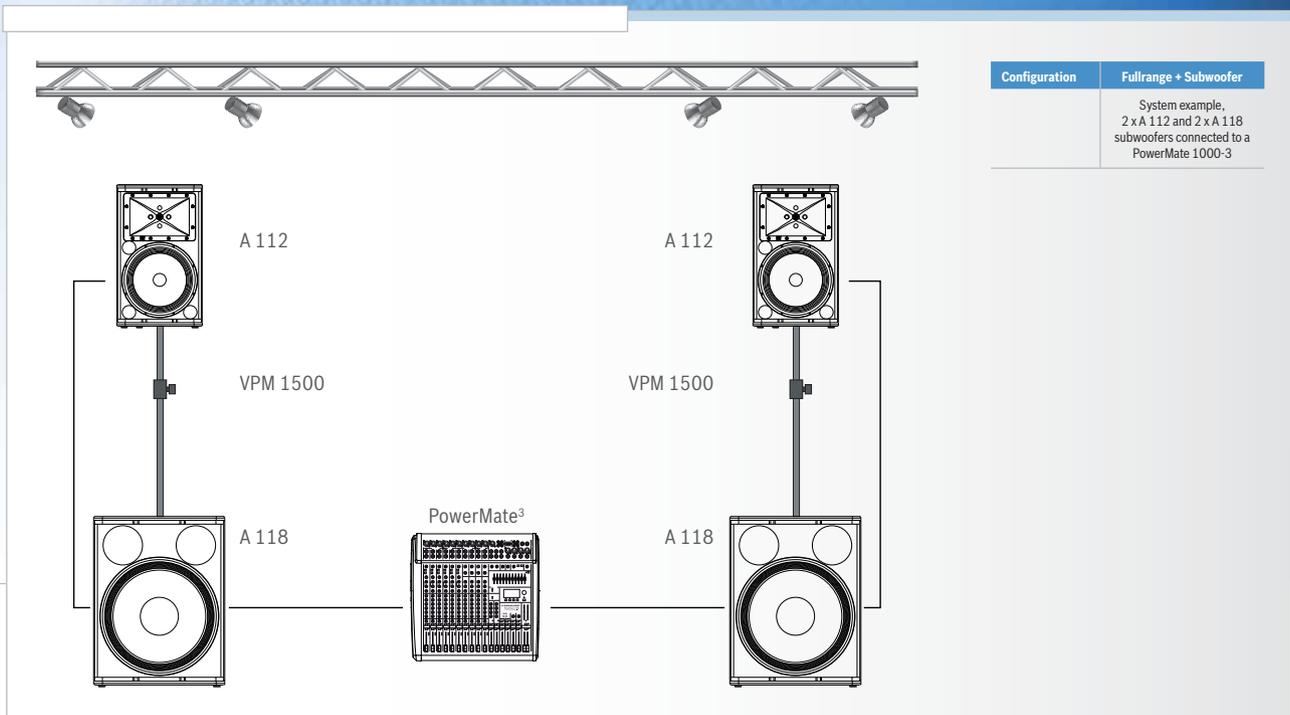
A-LINE FAMILY



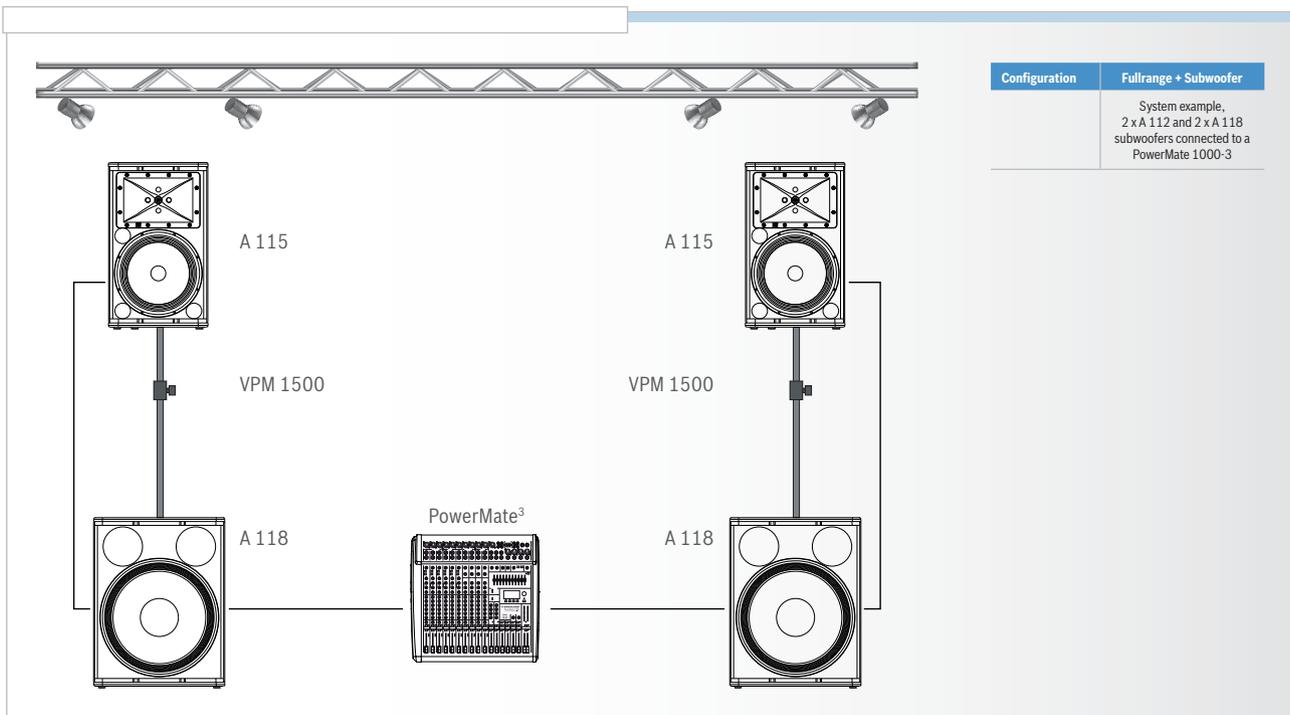
Configuration	Fullrange + Subwoofer
	Stacking fullrange systems with subwoofers (2 x A 112A with LO-CUT setting selected, 2 x A 118A subwoofers)



Configuration	Fullrange + Subwoofer
	Stacking fullrange systems with subwoofers (2 x A 115A with LO-CUT setting selected, 2 x A 118A subwoofers)



Configuration	Fullrange + Subwoofer
	System example, 2 x A 112 and 2 x A 118 subwoofers connected to a PowerMate 1000-3



Configuration	Fullrange + Subwoofer
	System example, 2 x A 112 and 2 x A 118 subwoofers connected to a PowerMate 1000-3

**HEADQUARTERS EUROPE,
MIDDLE -EAST & AFRICA**

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Printed in Germany (F&W) 3000/10/12
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