

LAs418A

Active Double Bass Reflex Subwoofer



- Dual long excursion 18" speaker
- 24bit/48kHz Digital Signal Processor
- High dynamic and extended response
- PFC Switched Mode Power Supply
- Large port areas for reduced distortion

OVERVIEW

The LAs418A houses two long excursion and very high power B&C 18" drivers powered by the DPA3000 (power module with DSP). This unit is capable of delivering up to 3200Wrms with a magnificent precision and punch at incredible SPL, combining optimized acoustic, electro-acoustic and electronic solutions to maximized efficiency.

The heart of the LAs418A, is a powerful, light weight, highly efficient Class D power amplifier module, with PFC switch mode power supply from Powersoft. The DPA3000 delivers an impressive sonic punch with perfectly balanced, rich and transparent, sound at any volume. The PC controlled DSP 24bit/48kHz with A/D-D/A low noise converters, provides 4 selectable Presets (3 factory defined and 1 User defined) that can be accessed by an easy selector, located on the front module panel or real time edited with a PC, using Armonia software. This allows to easily customize the sound program, for various applications or different venues. An intelligent automatic standby mode is activated when the amplifier detects no input signal, saving energy and extending the expected work life. With Powersoft Armonia software is possible to edit the 3 pre-loaded Presets and store it on the user defined memory location. Editable parameters are: Peak Filters, High-Shelf/Low-Shelf Filters, Band-Pass/Band-Stop Filters, All-Pass Filters, High-Pass/Low-Pass Filters, Input delay, polarity and gain. LAs418A can be used on the same software platform as the N-RAK and PXA8001.

LAs418A subwoofer is versatile enough to address any

fixed installation or rental application. Sound Designers, Engineers or Integrators can choose from standard or cardioid configurations, creating a variety of symmetric and asymmetric directivity patterns adapted to each specific solution.

The cabinet volume with optimized port tuning featuring extremely high peak-to peak excursion capability, is capable to deliver true sub performance down to 24Hz at -10dB. Providing low frequency resolution and a maximum Peak SPL of 143dB in a 89kg, front loaded, bass reflex enclosure and measuring 1030mmx516mmx920mm (WxHxD), the new subwoofer version incorporates 8 handles, housed within a multi-laminate birch plywood enclosure and finished in textured black semi-matte coating.

TECHNICAL SPECIFICATIONS

Technical Data	
Speaker Type:	Active High Power Reflex Subwoofer
Acoustical Data	
Frequency Response (-6dB):	28Hz - 250Hz
Low Frequency Extension (-10dB):	24Hz
Calculated Max. SPL (Cont/Peak):	140dB/143dB (Half-space)
Drivers	
Low Frequency:	2 x 18" (460mm)/4"(100mm) VC, high excursion, B&C custom speaker
Electrical Data	
Connectors:	Signal: 2 x XLR ; Power: 2 x powerCON ; Control: RS485/USB
Amplifier Module	
Amplifier Technology:	PFC switched mode class D with DSP
Section Power (RMS/Program/Peak) LF:	3200W/4500W/6400W
Controller:	PC Controlled DSP 24bit/48kHz - Powersoft Armonia
System Presets:	3 Factory and 1 User, selectable via software or rear panel switch
PC Control:	Ethernet connection to Powersoft Armonia
DSP Adjustable Parameters:	5 PEQ, Delay, HPF, LPF, Level, Polarity, Mute
AC Operating Voltage:	90V - 264V
Nominal Power Consumption:	1200W
Enclosure	
Construction:	Heavily braced, 18mm multi-laminate birch ply
Finish:	Textured black semi-matte coating
Protective grill:	Black perforated steel
Fittings:	16 x M8 threaded inserts for optional wheel kit, 8 replaceable feet
Handles:	4 on each side
Dimensions (WxHxD):	1030 x 516 x 920mm (40.55 x 20.31 x 36.22in)
Net Weight:	89kg (196.21lb)