

# LAs418

## Double Bass Reflex Subwoofer



- Dual very long excursion 18" bass reflex design
- Optionally arrayable
- High maximum pressure
- High dynamic and extended response
- Large ports areas for reduced distortion

### OVERVIEW

Housing two long excursion and very high power 18" drivers, this Subwoofer has been designed to offer ultra-low frequencies at a very high SPL delivering magnificent precision and punch at incredible pressure levels.

The cabinet volume with optimized port tuning - featuring extremely high peak-to-peak excursion capability - is capable of delivering true sub performance down to 24Hz at -10dB. Providing low frequency resolution and a maximum SPL of 143.8dB in a 94kg, front loaded, bass reflex enclosure and measuring 516mm x 920mm x 1030mm (HxDxW), the new subwoofer version incorporates eight handles and a rigging system.

Housed within a multi-laminate birch plywood enclosure and finished in textured black semi-matte coating, the LAs418 can be deployed in either standard or cardioid configuration using the parallel wired Neutrik NL4 connector on the front of the Subwoofer.

The 2x4ohm LAs418 version has been designed to be driven by Powersoft X series (X4 or X8). This new version presents an increase of 4dB of SPL when it is driven by the Powersoft X Line amplifier while compared with MA6000 driving the normal version, the LAs418.

### TECHNICAL SPECIFICATIONS

<b>Technical Data</b>	
Speaker Type:	Passive Very High Power Reflex Subwoofer
<b>Acoustical Data</b>	
Frequency Response (-6dB):	28Hz - 250Hz
Low Frequency Extension (-10dB):	24Hz
Sensitivity (1W@1m):	109dB (Half-space)
Calculated Max. SPL (Cont/Peak):	143.8dB/149.8dB (Half-space)
<b>Drivers</b>	
Loudspeakers:	2 x 18" (460mm)/4.5" (116mm) VC, very high excursion, B&C custom speaker
<b>Electrical Data</b>	
Program/Peak Power:	6000W/12000W (10ms)
Nominal Impedance:	2 x 8 (also available: 2 x 4)
Recommended Amplifier:	LA RACK
Recommended Amplifier:	MA3800, MA6000, MD14000
Crossover frequency/Type:	80Hz to 180Hz / 24dB/oct Linkwitz/Riley (recommended)
Recommended High-Pass Filter:	28Hz, 18dB/oct Butterworth
Connectors:	2 x Neutrik NL4 on back 1 Neutrik NL4 on front, parallel wired
<b>Enclosure</b>	
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, 20 x M8 threaded inserts for optional rigging system, 8 replaceable feet
Handles:	4 on each side
Dimensions (WxHxD):	1030 x 516 x 920 mm
Net Weight:	94 kg
Shipping Weight:	98.8 kg