

CONCERT SERIES

218 PROCESSOR CONTROLLED SUB/BASS PACK

Applications:

- High SPL Concert Sound
- Auditorium Installations
- Houses of Worship
- Dance Music



<http://www.arx.com.au>

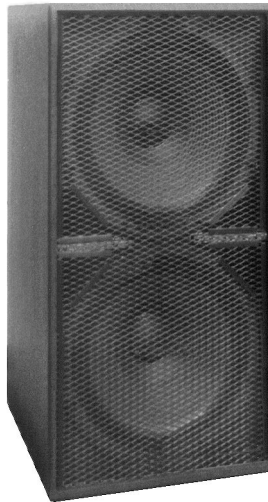
The ARX Concert Series has been engineered to function as a unique, 'building block' system with the flexibility to easily assemble custom configurations. All cabinets have compatible dimensions for ease of flying, stacking and creating point source arrays for smooth, even coverage of any venue.

The ARX 218 is designed to be used as a Sub/Bass cabinet in conjunction with the 212 to create an extended full range package, or for Sub/Low frequency enhancement of the 922 when used in large areas or when an application requires enhanced low frequency output. It features dual 18" (460 mm) Low frequency drivers in a reflex ported design.

It is designed to be used as a system with the LSP-1 second generation speaker processor. This dual channel unit provides loop through connectors to a Mid/High processor, plus crossover functions, phase correction, and ARX's Interactive System Control (I.S.C.™) for speaker protection at absolute sound pressure levels.

Unlike simple in-line limiters or compressors, ISC offers true system protection without the usual loss of dynamic range, by constantly monitoring the amplifier output and comparing it with an internal model of the SOA (safe operating area) of the 218's speakers.

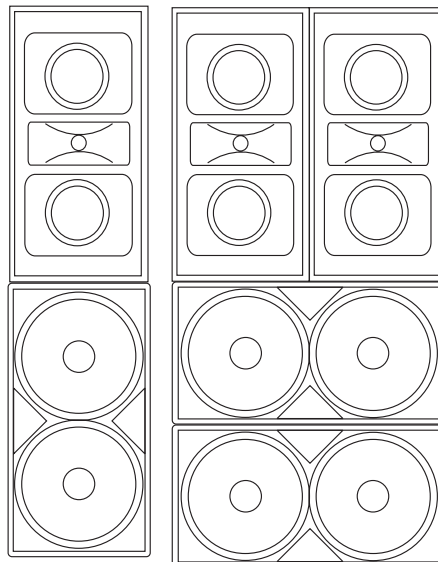
When the signal applied to the speaker tries to exceed that SOA, the ISC holds it at a level which is safe for the speaker to reproduce.



The 218's rectangular sides enables stacked systems to be easily and quickly assembled.

Its symmetrical component layout allows maximum speed and flexibility in rigging.

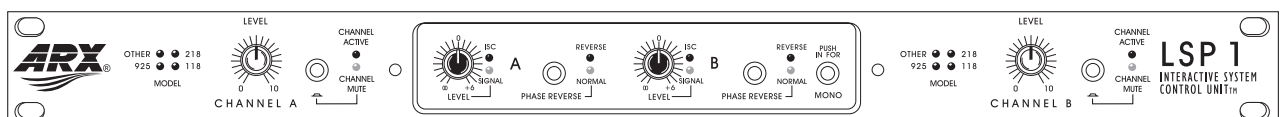
The 218 shares compatible frontal dimensions with other models in the Concert Series, so it can easily be incorporated into mixed arrays



Features

- Rugged premium grade void free plywood outer shell
- Processor controlled with the LSP-1 for dependable performance and repeatability
- All drivers acoustically aligned for smooth, coherent dispersion
- Rectangular cabinet design for easy positioning and stacking
- Building block compatibility for assembling custom arrays
- Available with EP6, EP8 or Speakon Multipin connectors
- Flawless sound in the toughest audio environment

LSP-1 Speaker Processor



218

Specifications

Each 218 cabinet comprises 2 x 18" (460 mm) Low Frequency drivers in a reflex ported layout for extended low frequency output, and enclosed in a premium grade, multi laminate plywood enclosure, featuring extensive internal bracing for optimum low frequency output.

Frequency Response

35Hz-200Hz ±3dB

Impedance

4 ohm or dual 8 ohm

Recommended amplifier power

700 W/4 ohm minimum

Sensitivity

104 dB @ 1 Watt, 1 metre

Maximum SPL @ 1 metre

130 dB +

Connectors

2 x EP6 Male sockets
2 x XLR
(2 x EP8 optional to replace EP6, depending on use)
Neutrik Speakon connectors also an option

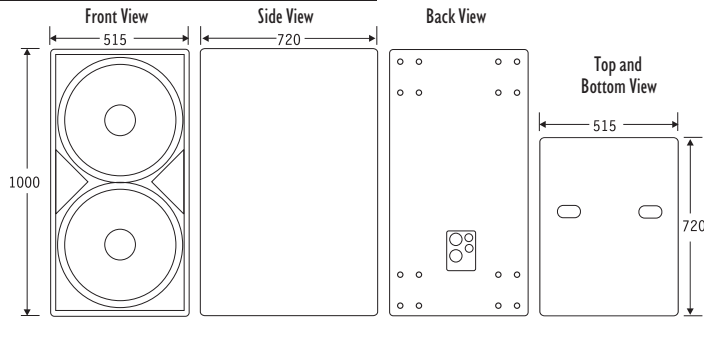
Construction

Premium grade void-free multi laminate plywood, steel mesh grille. Optional wheel kit

Maximum Dimensions

40"H 20"W 28"D
1000 x 515 x 720 mm

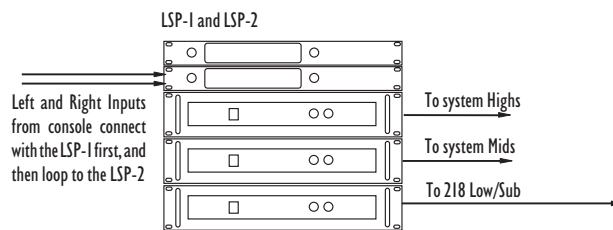
218 ENCLOSURE LAYOUT



The ARX 218 is designed to be used as a Low Frequency cabinet in conjunction with a Mid/High pack such as the ARX 212.

Although it is tailored to match up with the 212, it can also be used as a Sub Bass 'add-on' with the ARX 922 full-range cabinet, or as a general LF component with any professional speaker system

218 SYSTEM LAYOUT



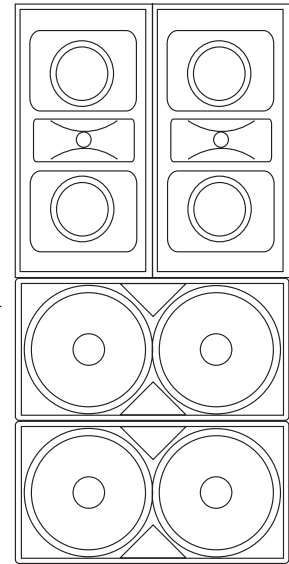
The 218 is normally supplied configured as a single 4 ohm load with an EP6 multipin connector. Depending on preferred amplifier impedance arrangement, it can also be ordered as a dual 8 ohm load and then would have an EP8 connector.

The 218's right angled sides enable it to be easily and conveniently setup, with a Mid/High pack such as the 212 stacked on top.

Its compact size and straightforward component layout allows low frequency sections to be coupled for maximum efficiency as required

Recommended Amplifiers:

Low: ARX SX3000, Mid: ARX SX1500, High: ARX SX1500. However, for standardization of racks, SX3000 models would be the most flexible for mix and match applications.



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker system shall be a 2 x 18" (460 mm) low frequency driver system in a single cabinet, reflex ported layout. The enclosure shall be extensively internally braced to optimize low frequency output. Performance of the loudspeaker system shall be achieved by the use of the LSP-1 dedicated low frequency speaker system processor.

Rated impedance shall be 4 ohms when connected in parallel mode and 2 x 8 ohms when connected in individual mode
Sensitivity measured on axis @ 1 metre shall be 104 dB
Frequency response measured @ 1 metre on axis shall be 35Hz - 200 Hz ±3dB
Maximum SPL @ 1 metre on axis shall be 130 dB

The enclosure shall be constructed of premium grade multi laminate plywood.
Dimensions shall be 40" H X 20" W X 28" D (1000 X 515 X 720mm) and it shall weigh 175 lbs (80 kgs)
The loudspeaker system shall be the ARX 218

Specifications available on disk



Your ARX dealer is:

ARX Systems Pty Ltd, Australia; Phone: +61-3 9555 7859 Fax: +61-3 9555 6747

