



Product Technical Data Sheet

Model SP820

Description

The SP820 is a dual 18" very high powered subwoofer, specifically designed for use with one or two of the LS8695v2 line columns in a portable setup. It delivers integrated low frequency extension for the LS8695v2 as well as providing a solid support base for the column. The SP820 also includes built in castors and skid plates for self contained portability.

The built in support rigging puts the bottom of the LS8695v2 cabinets at the correct height and allows the column to be aimed either up or down 2 degrees in 1 degree increments to optimize audience coverage. The SP820 also includes a pole socket mount for use with other model speakers.

The high powered 18" drivers for the SP820 use a Neo magnet structure and high-temperature voice coil with modern manufacturing techniques resulting in a very durable and efficient design.



Key Features:

- Ported front loaded high power driver design
- 13-ply Baltic Birch cabinet
- Extensive internal bracing
- Integrated rigging points for one or two LS8695v2 cabinets
- Integrated sub to sub stacking support
- Built in castors and skid plates
- Built in pole socket mount

Product Specifications	
Operating Range ¹	33Hz - 200Hz
Sensitivity (1W/1M) ²	102dB
Power Handling ³	2000W (89 Volts) AES/2
Recommended Amp Power for Max Output	4000 Watts @ 4 ohms
Max SPL (calculated) 1 Meter	135dB Cont. / 141dB Peak
Nominal Impedance	4 Ohms
Transducers	2 x 18" Woofers
Input	NL4 x2
	Pair 1 = Woofers 1 & 2
Dimensions	25.5" (64.8cm) H 38" (96.5cm) W 37.5" (95.3cm) D
Enclosure	13ply Baltic Birch
Weight	200lbs (90.7kg) Shipping 280lbs (127kg)
Rigging	Built-in attachment points for LS8695v2
Finish Options	Black Latex

Applications

Developed for portable applications where integrated rigging and high level low frequency support is desired for use with the LS8695v2

- Portable PA with one or two stacked LS8695v2
- Integrated pole socket for use with other models of speakers
- Traditional ground stacked subwoofer clusters

1. LF at -10dB

2. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in a half-space environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.

3. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard. IEC stated in RMS voltage according to IEC 268-5



SUPERIOR LISTENING SYSTEMS
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SP820 Drawings

