



 **Bluetooth™**

L83



L83S



L83+L83S Column System

L83+L83S system is a compact multi-purpose active DSP column system consisting of a passive full-range column speaker L83 and an active DSP controlled dual 12" subwoofer L83S.

L83 passive full-range column speaker is with 8pcs 3" neodymium full-range drivers. The drivers in L83 are arranged by elaborate calculation and Phycal™ technology to improve the coverage of vertical beam. With elaborate acoustic design, same drives in the cabinet work as one integrative full range speaker system, which can achieve perfect joint of frequency response and excellent sound performance. L83 can meet the applications in different venues and complex space.

L83S is an active DSP controlled compact subwoofer with 2pcs 12" customized Audiocenter ferrite drivers and Class D amplifier module. The system works efficiently and has built-in Bluetooth that supports multiple signal inputs.

L83S has been carefully tested. With elaborate acoustic design, innovative FTF™ LF driver design and extensive testing, the cabinet is with three-order band-pass filter. By coupling the system continually and overlaying the resonances, the LF efficiency is improved significantly.

L83+L83S is a plug and play column system with easy set up. The presets are made with a lot of testing. The system can be put in various applications.

SUGGESTED APPLICATION



Ball room



House of worship



Museum



Lecture



DJ



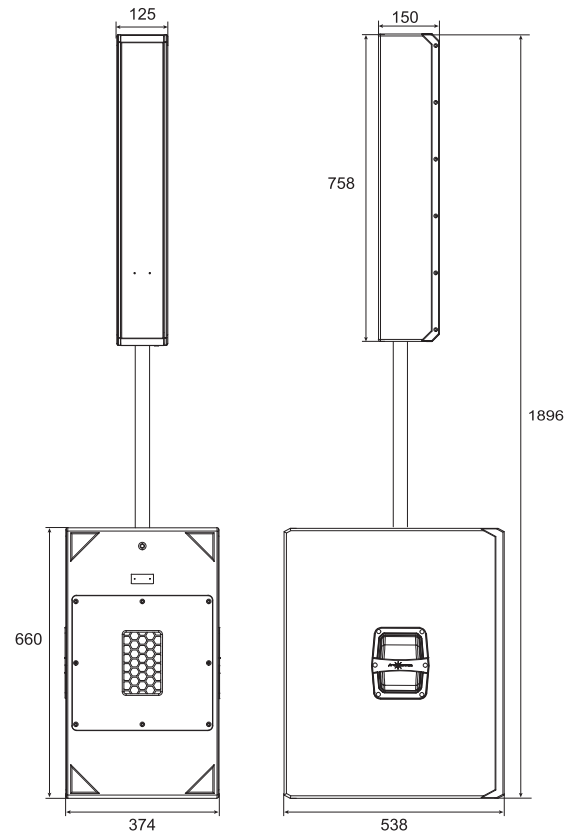
Gym



Restaurant

SPECIFICATION

Type	Active DSP-controlled Column Speaker System
Frequency Response (-6dB anechoic chamber)	42Hz-20KHz
Maximum Calculated SPL/1M	131dB
Subwoofer	Customized Audiocenter ferrite driver, 2pcs 12" driver
Mid-high Driver	Customized Audiocenter neodymium full-range driver, 8pcs 3" drivers
Horizontal Coverage Angle (Symmetrical)	100°
Vertical Coverage Angle (Symmetrical)	20°
DSP	
Processor	96KHz signal sampling frequency, 24bit precision
Crossover	Controlled by DSP
Class D amplifier	
Power	2500W
Frequency Response	20Hz-20KHz(±0.5dB)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Protection	DC protection, short circuit protection, overheat protection, input overload protection, output overload protection, soft startup protection, overvoltage protection, undervoltage protection
Cooling System	
Output / Input	Fans + air convection
Signal Input	
Signal Input	2×Combo (NEUTRIK® female XLR & Mono jack 6.35), 1×Bluetooth
Signal Output	
Signal Output	1×NEUTRIK® male XLR
Amplifier Output Link L83	
Amplifier Output Link L83	1×NEUTRIK® NL4MP
Column Input Link L83S	
Column Input Link L83S	1×NEUTRIK® NL4MP
Power Input	
Power Input	3 pin power socket
Working Voltage	
Working Voltage	100-130V/60Hz or 220-240V/50Hz
Cabinet	
Cabinet Material	CNC made of excellent wood
L83 Pole Mount	Φ35mm (0/10° adjustable)
L83S Pole Mount	M20 base Φ35mm
Cabinet Color	Black is standard and default color. Consult with Audiocenter sales team for other customized colors
Dimension(W×H×D)	
L83	125×758×150mm
L83S	374×660×538mm
Height for 1pc L83+1pc L83S+Pole	1896mm
Net Weight	
L83	5Kg
L83S	32Kg



BACK PANEL

