

■ L MK2 Series Active DSP-controlled Column Speaker System Specifications

SPECIFICATIONS		L65 MK2+L65S MK2 Column System	L83 MK2+L83S MK2 Column System
Frequency Response(-10dB)		35Hz-20kHz	40Hz-20kHz
Horizontal Coverage		110°	110°
Vertical Coverage		10°	10°
Maximum Calculated SPL/1M	Continuous	131dB	129dB
	Program	134dB	132dB
	Peak	137dB	135dB
Drivers	HF	Customized driver, 4pcs 1" drivers	Customized driver, 2pcs 1" drivers
	LF	Customized driver, 6pcs 5" drivers	Customized full-range driver, 8pcs 3" drivers
	Subwoofer	Customized driver, 1pcs 18" drivers	Customized driver, 2pcs 12" drivers
DSP			
Processor		96kHz signal sampling frequency	
Presets		L65 MK2, L83 MK2, T8	L83 MK2, L65 MK2, T4L
AMPLIFIER			
Amplifier		Class D	
Power(RMS standards)		2000W	
Peak Power		4000W	
Frequency Response (1W 8Ω 1ch)		20Hz-20kHz(±0.5dB)	
Intermodulation Distortion		<0.05%	
Total Harmonic Distortion (20Hz-20kHz, half power)		<0.05%	
Cooling		Cooling with fans, air convection	
Protection		DC protection / Short circuit protection / Overheat protection / Output overload protection / Soft startup protection / Overvoltage protection / Undervoltage protection	
Signal Input Connector		Combo (female XLR & Mono jack 6.35), Stereo Bluetooth	
Signal Output Connector		Male XLR	
Power Input Connector		IEC power connector	
Power Output Connector		/	
AC Power Operating Range		100V-130V~ or 220V-240V~ (±10%, 50/60Hz)	
Power consumption (1/8 output power)		281W	167W
CABINET			
Cabinet		CNC made of excellent wood	
Cabinet Color		Black is the default color. Contact Audiocenter for customization	
Grille		Iron mesh	
Handles		L65S MK2,4 side; L65 MK2,1 back	L83S MK2,2 side
Pole Mount		Column speaker with Φ35 mm,subwoofer with M20 pole mount Φ35 mm	
Optional Accessories		Hand bag,Protection bag,Flightcase	
Speaker Dimensions (WxHxD)	Column speaker	156x1400x180mm	135x1200x165mm
	Subwoofer	590x600x815mm	374x690x538mm
Carton Dimensions (WxHxD)	Column speaker	1502x252x240mm	1302x229x220mm
	Subwoofer	676x700x900mm	467x625x780mm
Net Weight		L65 MK2 21.0kg / L65S MK2 54.0kg	L83 MK2 10.5kg / L83S MK2 34.0kg
Shipping Weight		L65 MK2 25.0kg / L65S MK2 58.0kg	L83 MK2 14.0kg / L83S MK2 38.0kg
Technical Support and After-sales Service		Global application support team	

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L65 MK2+L65S MK2
Column System
Bluetooth



L83 MK2+L83S MK2
Column System
Bluetooth

L MK2 Series
Compact Portable Active Column System



Plug and Play



Easy to carry



Quick installation



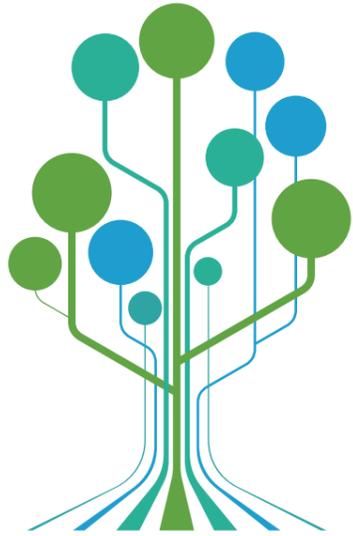
Even sound field



Multiple inputs



Built-in amplifier



BrainCore™

BrainCore™ is an innovative core application technology researched and developed by Audiocenter, devoted to Audiocenter active DSP-controlled loudspeakers with supreme performance and high reliability.

With its advanced technology and scientific methodology, BrainCore™ analyses and processes the input signal, DSP module, Class D amplifier and loudspeaker optimally, achieving smooth transitions between the LF and HF, excellent frequency response and audio reproduction even at high levels of SPL.

◎ Innovative ETE™ Waveguide Technology

The innovative ETE™ waveguide technology realizes the perfect joint of frequency response, which provides the accurate horizontal coverage and ensures the well-balanced, clear and clean sound for the system.

◎ Innovative Phycal™ (Physical calibration) Technology

The innovative Phycal™ (Physical calibration) technology improves the coverage of vertical acoustic beam.

◎ Customized ProDriver

Customized driver to ensure high-quality audio output and dynamic sound performance.

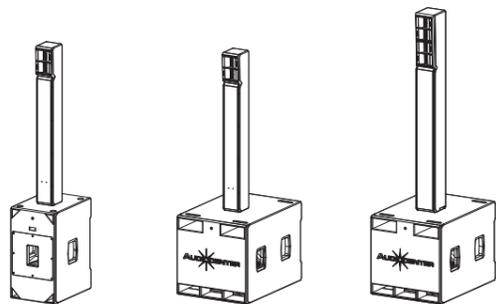
◎ Elegant Outlook

Streamlined cabinet design makes L series column system blended into various styles of applications easily.

◎ Portable and easy installation

The system consists of a subwoofer and a column speaker. It works as a kit and it's very easy to assemble and disassemble.

The helpful accessories, such as handbag for the column speaker and wheels for the subwoofer, make the system easy to transport and handle.



L83 MK2+L83S MK2 L83 MK2+L65S MK2 L65 MK2+L65S MK2



◎ Class D Amplifier

Adopting multi-channel digital amplifier with switching power supply and built-in DSP, the system can work stably and efficiently, ensuring high quality sound performance.

◎ Advanced Cooling System

Moulded large heatsink improves the cooling efficiency, and ensure higher reliability of the system.

◎ Built-in Bluetooth

Built-in bluetooth supports a variety of Bluetooth devices access. It's stable and reliable transmission to get true sound reproduction.

◎ Plug-and-Play, quick setup and easy use

It's a Plug-and-play system. You can choose the preset with one button, and quickly set up the system. The back panel of the subwoofer is easy to understand and simple to operate, which reduce professional technical cost.



◎ Unique Physical Acoustics Design

CNC made cabinet of excellent wood, customized drivers together with unique physical acoustics design provide very clear and clean sound.

◎ Innovative FTF™ Technology in LF Driver

The innovative FTF™ technology in LF driver makes the cabinet with the three-order band-pass filter. By coupling the system continually and overlaying the multiple resonances, the LF efficiency is improved significantly.



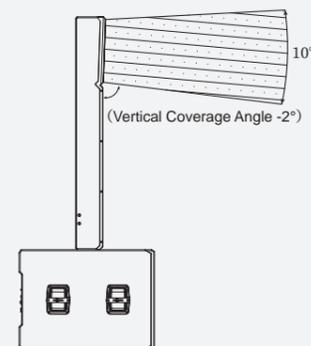
L65 MK2+L65S MK2 Column System

L65 MK2+L65S MK2 system is a compact multi-purpose active DSP column system consisting of a passive full-range column speaker L65 MK2 and an active DSP controlled compact single 18" subwoofer L65S MK2.

L65 MK2 passive full-range column speaker is built with 6pcs 5" customized drivers and 4pcs 1" customized drivers. The drivers are designed with sophisticated measurement and arranged elaborately by physical calibration technology Phycal™ to improve vertical acoustic beam coverage. The ETE™ waveguide system developed by Audiocenter forms cylindrical wave, then couples continually, working together with customized horn design to realize the perfect joint of frequency response, which provides the accurate horizontal coverage and ensures the well-balanced, clean and clear sound. L65 MK2 can meet the reinforcement application in different venues and complex space.

L65S MK2 is an active DSP controlled compact subwoofer with one 18" customized Audiocenter ferrite driver and very powerful Class D amplifier module. L65S MK2 is with built-in Bluetooth that supports multiple signal inputs.

L65 MK2+L65S MK2 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

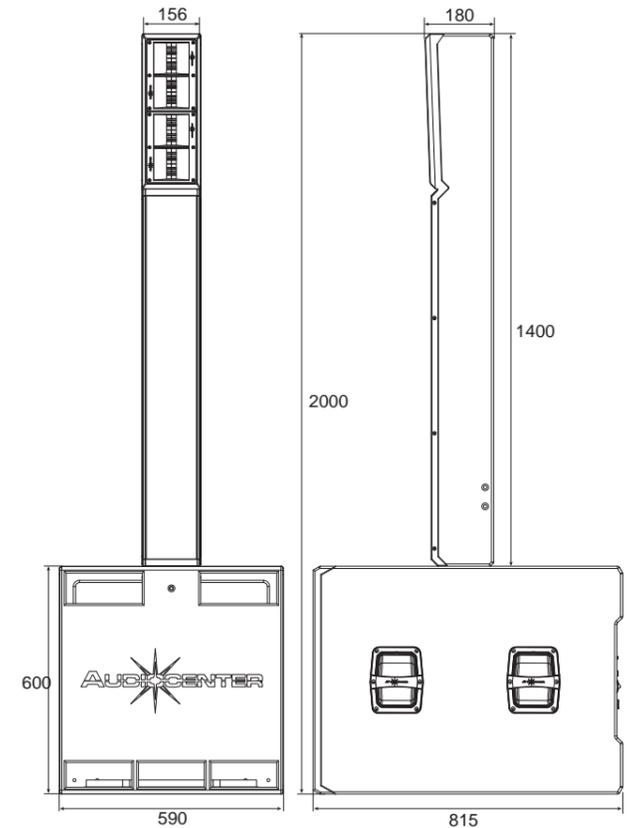


L65 MK2

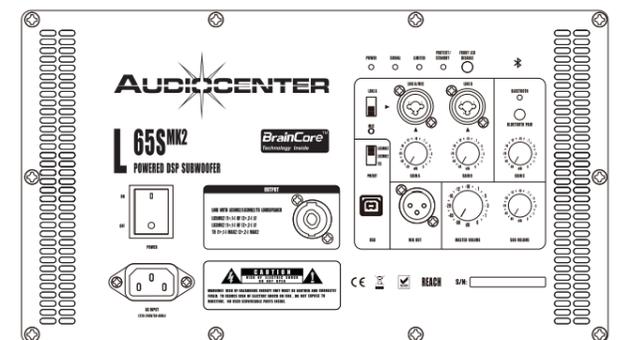
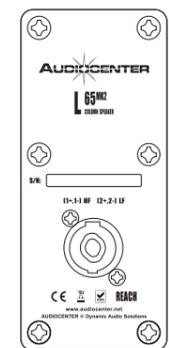
L65S MK2....

SPECIFICATION

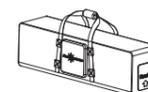
Type	Active DSP-controlled Column Speaker System
Frequency Response(-10dB)	35Hz-20kHz
Horizontal Coverage	110°
Vertical Coverage	10°
Maximum Calculated	131dB/137dB
SPL/1M(Continuous/Peak):	
HF	Customized driver, 4pcs 1" drivers
LF	Customized driver, 6pcs 5" drivers
Subwoofer	Customized driver, 1pc 18" driver
DSP	
Processor	96kHz signal sampling frequency
Presets	L65 MK2, L83 MK2, T8
Class D amplifier	
Power(RMS standards)	2000W
Peak Power	4000W
Frequency Response	20Hz-20kHz(±0.5dB)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Cooling System	Cooling with fans, air convection
Protection	DC protection, short circuit protection, overheat protection, input overload protection, output overload protection, soft startup protection, overvoltage protection, undervoltage protection
Signal Input	Combo (female XLR & Mono jack 6.35), Stereo Bluetooth
Signal Output	Male XLR
Amplifier Output Link L65 MK2	Speakon 4pin
Column Input Link L65S MK2	Speakon 4pin
Power Input	IEC power connector
AC Power Operating Range	100V-130V~ or 220V-240V~ (±10%,50/60Hz)
Power consumption	281W (1/8 output power)
CABINET	
Cabinet Material	CNC made of excellent wood
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	L65 MK2 2 side,L65S MK2 4 side
L65S MK2 Pole Mount	M20 base Φ35mm
Speaker Dimension(WxHxD)	
L65 MK2	156x1400x180mm
L65S MK2	590x600x815mm
Carton Dimensions (WxHxD)	
L65 MK2	1502x252x240mm
L65S MK2	676x700x900mm
Net Weight	
L65 MK2	21.0kg
L65S MK2	54.0kg
Shipping Weight	
L65 MK2	25.0kg
L65S MK2	58.0kg



BACK PANEL



ACCESSORIES



Hand bag
For 1 pc L65 MK2



L65S MK2 Protection bag
(with wheel)



L83 MK2+L83S MK2 Column System

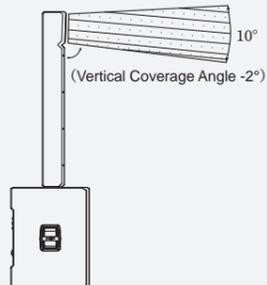
L83 MK2+L83S MK2 system is a compact multi-purpose active DSP column system consisting of a passive full-range column speaker L83 MK2 and an active DSP controlled dual 12" subwoofer L83S MK2.

L83 MK2 passive full-range column speaker is with 8pcs 3" full-range drivers and 2pcs 1" customized drivers. The drivers are designed with sophisticated measurement and arranged elaborately by physical calibration technology Phycal™ to improve vertical acoustic beam coverage. The ETE™ waveguide system developed by Audiocenter forms cylindrical wave, then couples continually, working together with customized horn design to realize the perfect joint of frequency response, which provides the accurate horizontal coverage and ensures the well-balanced, clean and clear sound. L83 MK2 can meet the reinforcement application in different venues and complex space.

L83S MK2 is an active DSP controlled compact subwoofer with 2pcs 12" customized drivers and Class D amplifier module. The system works efficiently and has built-in Bluetooth that supports multiple signal inputs.

L83S MK2 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 MK2+L83S MK2 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

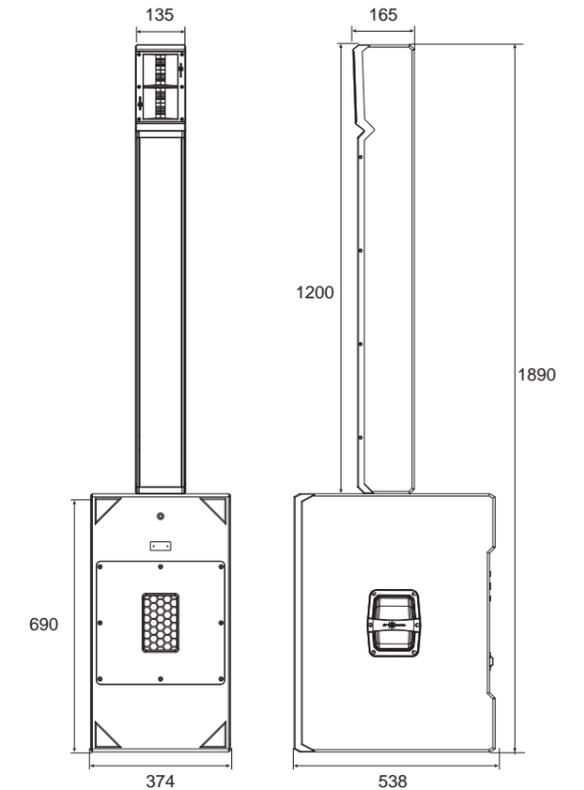


L83 MK2

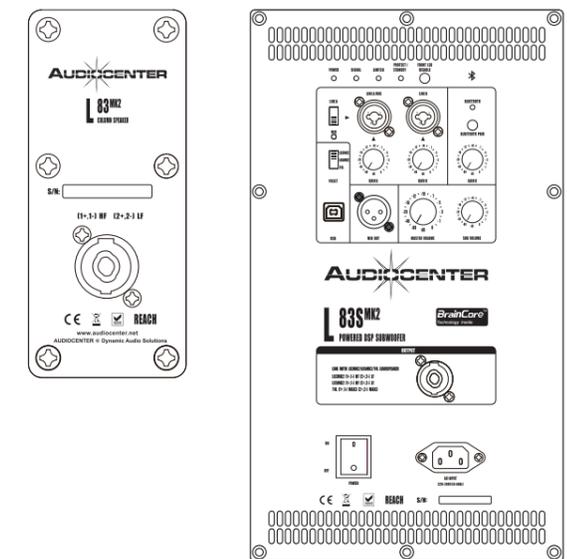
L83S MK2

SPECIFICATION

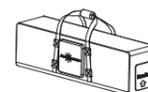
Type	Active DSP-controlled Column Speaker System
Frequency Response(-10dB)	40Hz-20kHz
Horizontal Coverage	110°
Vertical Coverage	10°
Maximum Calculated SPL/1M(Continuous/Peak):	129dB/135dB
HF	Customized driver, 2pcs 1" drivers
LF	Customized driver, 8pcs 3" drivers
Subwoofer	Customized driver, 2pcs 12" driver
DSP	
Processor	96kHz signal sampling frequency
Presets	L83 MK2, L65 MK2, T4L
Class D amplifier	
Power(RMS standards)	2000W
Peak Power	4000W
Frequency Response	20Hz-20kHz(±0.5dB)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Cooling System	Cooling with fans, air convection
Protection	DC protection, short circuit protection, overheat protection, input overload protection, output overload protection, soft startup protection, overvoltage protection, undervoltage protection
Signal Input	Combo (female XLR & Mono jack 6.35), Stereo Bluetooth
Signal Output	Male XLR
Amplifier Output Link L83 MK2	Speakon 4pin
Column Input Link L83S MK2	Speakon 4pin
Power Input	IEC power connector
AC Power Operating Range	100V-130V~ or 220V-240V~ (±10%,50/60Hz)
Power consumption	167W (1/8 output power)
CABINET	
Cabinet Material	CNC made of excellent wood
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	L83S MK2 2 side
L83S MK2 Pole Mount	M20 base Φ35mm
Speaker Dimension(WxHxD)	
L83 MK2	135x1200x165mm
L83S MK2	374x690x538mm
Carton Dimensions (WxHxD)	
L83 MK2	1302x229x220mm
L83S MK2	467x625x780mm
Net Weight	
L83 MK2	10.5kg
L83S MK2	34.0kg
Shipping Weight	
L83 MK2	14.0kg
L83S MK2	38.0kg



BACK PANEL



ACCESSORIES



Hand bag
For 2 pcs L83 MK2



L83S MK2 Protection bag
(with wheel)