



Dynamic Audio Solutions

BrainCoreTM
Technology Inside

www.audiocenter.com

Together we are stronger



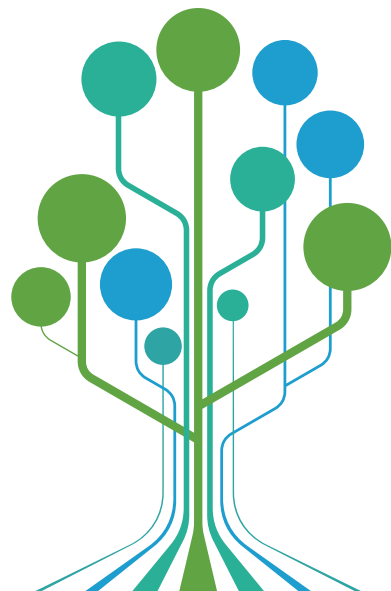
PRO-S5 Series

Active Subwoofer

The PRO-S5 series is a high-performance active subwoofer designed for portable performances, rental markets, and fixed installations.

Its modular design offers great flexibility, supporting Cardioid coverage and large - scale speaker array setups. Up to 12 speakers can be flown, providing sound engineers with high convenience and installation flexibility.





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 excellent frequency response and audio reproduction even at high levels of SPL.

IMPORTANT FEATURES



Innovative BrainCore™ technology to improve the audio performance of the system

The innovative BrainCore™ technology and built-in powerful DSP processor improve the performance of the speaker. With Cort™ correction technology and Limita™ processing technology, the system works with safety and reliability and achieves supreme performance.



Active Speaker DSP

Subwoofer is built with 3 different low-pass filters. Users can choose different presets or low-pass filters according to their needs via the buttons on the back panel.



Customized ProDriver

Latest speaker technology and customized driver ensure very clean and clear sound and impressive sound dynamic.



Solid Wood Cabinet

Optimized and compact CNC made cabinet of excellent wood is solid, very suitable for touring application.



Optional Flying Accessories

The PRO-S5 series can be deployed either as ground stacks or flown. Optional flying accessories are available for suspending the subwoofers, making the system more versatile and adaptable to various applications.



PFC Technology

PFC technology enhances electrical efficiency, reduces energy consumption and interference, and ensures stable, reliable, and durable operation.



Advanced Cooling System

Moulded large heatsink improves the cooling efficiency, with the result of higher reliability of the system.



Class D Amplifier

Adopts customized Class D amplifier together with switch mode power supply technology, which ensures the system for high efficiency, exquisite and compact outlook and advanced cooling.



Sleep mode

To save power, the system will enter into sleep mode automatically if without signal input for 15 mins.

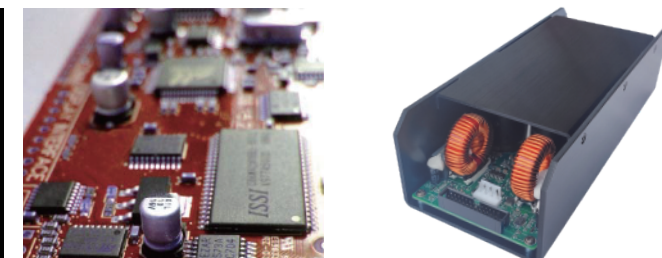


Durable Polyurea Coating

The polyurea coating is waterproof, wear resistance, impact resistance and aging resistance.

European R&D design, German standard engineering

The power amplifier module and DSP module were designed by Audiocenter's R&D team in Europe and manufactured according to German standard engineering. The system operates stably and efficiently, ensuring high-quality audio output.



High Reliability

The power amplifier modules and DSP modules used in Loudspeaker have been sold over 500,000 units worldwide and have proven to be of very stable and reliable quality.

High-efficiency Class D Amplifier Module

The high-efficiency amplifier module can provide the highest sound output power among similar products. A single module has a peak power of up to 3000W and can provide excellent dynamic and transient response, greatly improving the audio performance of the speakers.

PFC Technology

PFC technology enhances electrical efficiency, reduces energy consumption and interference, and ensures stable, reliable, and durable operation.

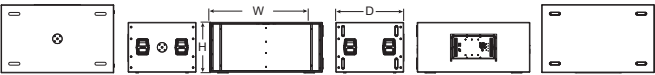
Modular Power Amplifier Module

The modular power amplifier module adopts a sturdy mechanical structure, which can better protect the power amplifier. The tunnel-type heat dissipation also provides optimal heat dissipation efficiency (The aximum temperature rise is 30°).

PRO-S5218A

The PRO-S5218A subwoofer comes with 3 presets (80Hz, 100Hz, Cardioid), allowing users to flexibly switch according to different usage scenarios and music styles.

With two XLR inputs, it supports single - channel signal input and output, making it easy to link multiple speakers for signal distribution.



Dimension(W×H×D): 1248×556×749mm

FEATURES

- High end DSP, with 48KHz signal sampling frequency
- Sleep mode automatically if without signal input for 45mins
- Class D amplifier
- Universal Power Source and PFC Technology
- Advanced cooling system in the driver
- CNC made of excellent wood
- Durable polyurea coating
- Support hanging installation



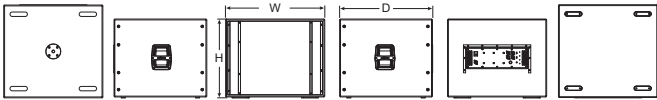
SPECIFICATION

Frequency Response(-10dB)	28Hz-120Hz
Maximum Calculated SPL/1M(Continuous/Peak)	135dB/141dB
LF Driver	Customized 2x18" driver,4.0"voice coil
DSP	
Processor	48kHz signal sampling frequency
Presets	80Hz,100Hz,Cardioid
AMPLIFIER	
Amplifier Circuitry	Class D
Power(RMS standards)	3000W
Peak Power	6000W
Frequency Response (1W 8Ω 2ch)	20Hz-20kHz(±0.5dB)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Cooling	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	Female XLR
Signal Output	Male XLR
Power Input	Power connector
AC Power Operating Range	100V-240V~(±10%,50/60Hz)
Power consumption (1/8 output power)	295W
CABINET	
Cabinet Material	CNC made of excellent wood
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	4 side
Pole Mount	M20 base Φ35mm
Speaker Dimension(W×H×D)	1248×556×749mm
Carton Dimensions (W×H×D)	1348×646×854mm
Net Weight	95.0kg
Shipping Weight	102.0kg

PRO-S5118A

The PRO-S5118A subwoofer comes with 3 presets (80Hz, 100Hz, Cardioid), allowing users to flexibly switch according to different usage scenarios and music styles.

With two XLR inputs, it supports single - channel signal input and output, making it easy to link multiple speakers for signal distribution.



Dimension(W×H×D): 700×556×655mm

FEATURES

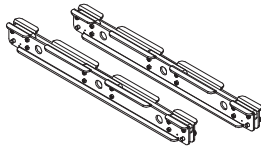
- High end DSP, with 48KHz signal sampling frequency
- Sleep mode automatically if without signal input for 45mins
- Class D amplifier
- Universal Power Source and PFC Technology
- Advanced cooling system in the driver
- CNC made of excellent wood
- Durable polyurea coating
- Support hanging installation



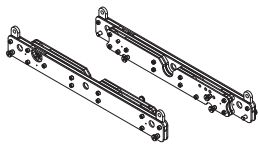
SPECIFICATION

Frequency Response(-10dB)	30Hz-130Hz
Maximum Calculated SPL/1M(Continuous/Peak)	129dB/135dB
LF Driver	Customized 1x18" driver,4.0"voice coil
DSP	
Processor	48kHz signal sampling frequency
Presets	80Hz,100Hz,Cardioid
AMPLIFIER	
Amplifier Circuitry	Class D
Power(RMS standards)	1500W
Peak Power	3000W
Frequency Response (1W 8Ω 2ch)	20Hz-20kHz(±0.5dB)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Cooling	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	Female XLR
Signal Output	Male XLR
Power Input	Power connector
AC Power Operating Range	100V-240V~(±10%,50/60Hz)
Power consumption (1/8 output power)	149W
CABINET	
Cabinet Material	CNC made of excellent wood
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	2 side
Pole Mount	M20 base Φ35mm
Speaker Dimension(W×H×D)	700×556×655mm
Carton Dimensions (W×H×D)	786×675×741mm
Net Weight	48.0kg
Shipping Weight	52.0kg

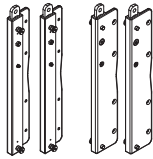
Accessories



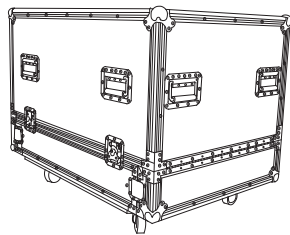
PRO-S5218A
Flying frame set



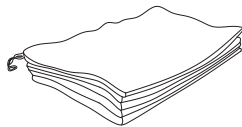
PRO-S5118A
Flying frame set



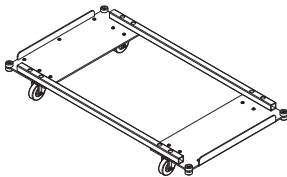
Hanging
side-brackets kit



Flightcase
For 1 cabinet, with 100mm wheels

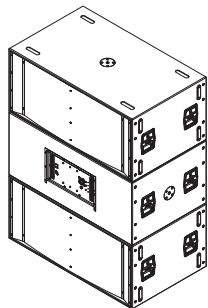
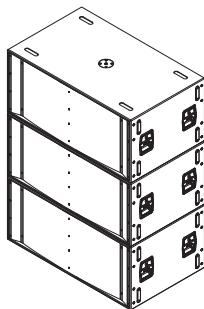
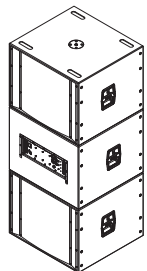
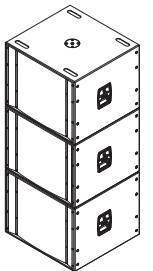
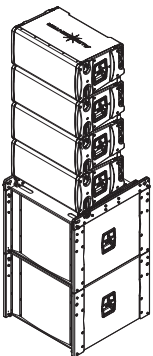
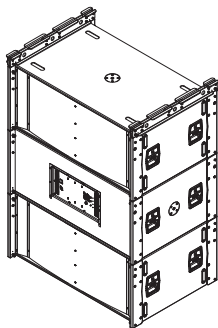
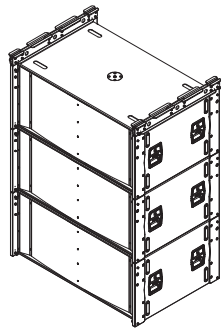
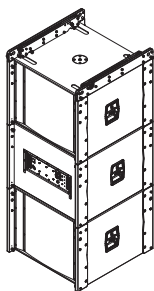
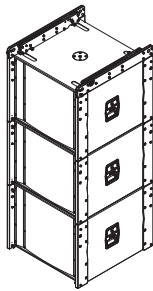
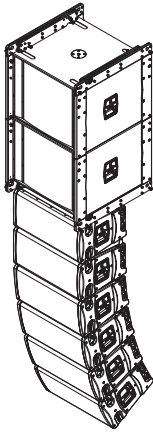


Rain bag
(customized)



Dolly
(for 2 cabinets)

Installations



PRO-S5 Series Specifications

SPECIFICATIONS		PRO-S5218A	PRO-S5118A
Frequency Response(-10dB)		28Hz-120Hz	30Hz-130Hz
Maximum Calculated SPL/1M	Continuous	135dB	129dB
	Program	138dB	132dB
	Peak	141dB	135dB
LF Drivers		Customized 2x18" driver,4.0"voice coil	Customized 1x18" driver,4.0"voice coil

DSP	
Processor	48kHz signal sampling frequency
Presets	80Hz,100Hz,Cardioid

AMPLIFIER		
Amplifier	Class D	
Power(RMS standards)	3000W	1500W
Peak Power	6000W	3000W
Frequency Response(1W 8Ω 2ch)	20Hz-20kHz(±0.5dB)	
Intermodulation Distortion (20Hz-20kHz, half power)	<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/Output Connectors	Female XLR input, male XLR output	
Power Input Connectors	Power connector	
Power Output Connectors	/	/
AC Power Operating Range	100V-240V~(±10%,50/60Hz)	
Power consumption(1/8 output power)	295W	149W

CABINET		
Cabinet Material	CNC made of excellent wood	
Coating	Durable Polyurea Coating	
Cabinet Color	Black is the default color. Contact Audiocenter for customization	
Grille	Iron mesh	
Handles	4 side	2 side
Pole Mount	M20 base Φ35mm	M20 base Φ35mm
Speaker Dimension(W×H×D)	1248×556×749mm	700×556×655mm
Carton Dimensions (W×H×D)	1348×646×854mm	786×675×741mm
Net Weight	95.0kg	48.0kg
Shipping Weight	102.0kg	52.0kg

■ All content subject to change without notice. All rights reserved. AC - PRO-S5 - 202506