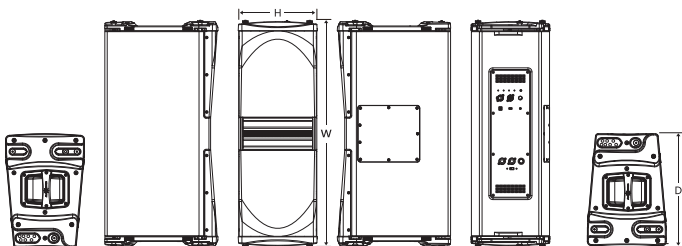


AVANDA 210A

AVANDA 210A is a dual 10" two-way active DSP controlled line array loudspeaker. Designed for medium to large-scale sound reinforcement applications and mid-to-high-end fixed installations, it provides a high quality and powerful sound, meeting the requirements of any sound reinforcement application, indoors or outdoors.

The AVANDA 210A achieves a narrow vertical coverage in the high frequency range through the innovative ARROWHEAD™ waveguide technology, providing a clearer sound performance. The 90° horn provides a precise horizontal coverage and ensures that the system delivers an even and smooth sound.

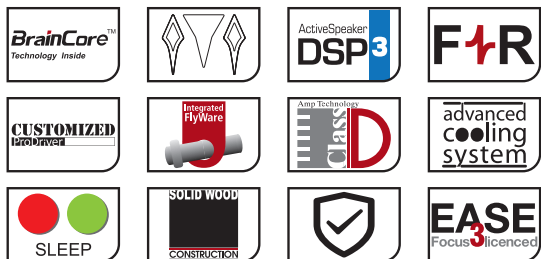
CNC machined birch plywood cabinet, coated with polyurea, is waterproof, wear and high temperature resistant.



Dimension(W×H×D): 830×293×420mm

Key Features

- ⊙ Perfect integration of BrainCore™ technology achieves supreme performance of the loudspeaker system.
- ⊙ ARROWHEAD™ waveguide technology
- ⊙ 3 presets
- ⊙ High end DSP, with 96KHz signal sampling frequency, with FIR filter
- ⊙ Class D amplifier
- ⊙ Automatically enter sleep mode after 45 minutes without signal input
- ⊙ Advanced temperature control system
- ⊙ Customized driver
- ⊙ Optimized, compact cabinet design
- ⊙ Durable polyurea coating
- ⊙ CNC machined birch plywood cabinet, coated with polyurea, is waterproof, wear and high temperature resistant.

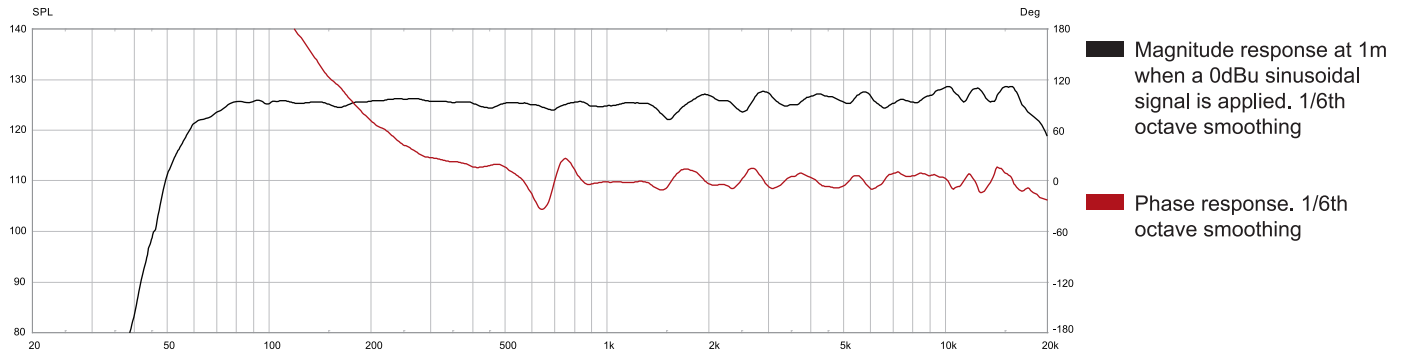


Specification

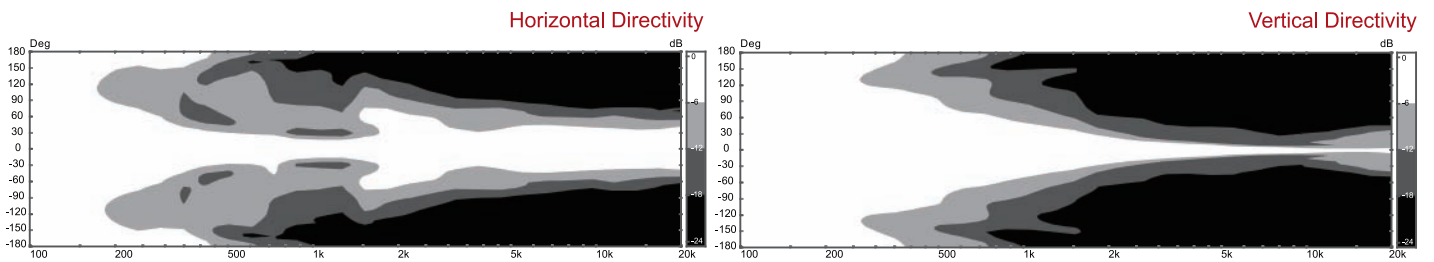
Frequency Response(-10dB)	67Hz-20kHz
Maximum Calculated SPL/1M(Continuous/Peak)	132dB/138dB
Horizontal Coverage	90°
Vertical Coverage	Splay angle dependent
HF	Customized Neodymium driver, 2x3" voice coil, 1.4" exit
LF	Customized 2x10" driver, 2.5" voice coil
DSP	
Processor	96kHz signal sampling frequency, FIR filtering
Presets	4 Units, 8 Units, 12 Units
AMPLIFIER	
Amplifier Circuitry	Class D
Power(RMS standards)	1600W
Peak Power	3200W
Frequency Response (1W 8Ω 2ch)	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
Output/Input	
Signal Input	Female XLR
Signal Output	Male XLR
Power Input	Power connector
Power Output	Power connector
AC Power Operating Range	100V-130V~ or 220V-240V~(±10%, 50/60Hz)
Power consumption (1/8 output power)	142W
Cabinet	
Cabinet Material	Russian birch plywood
Angle Adjustment	0°, 1°, 2°, 4°, 6°, 8°, 10°
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	2 side
Speaker Dimension(W×H×D)	830×293×420mm
Carton Dimensions (W×H×D)	936×526×393mm
Net Weight	39.0Kg
Shipping Weight	42.0Kg



Frequency Response Graphs



Normalized Isobar Plot



Internal Structure

