

ATEC PASSIVE

Medium and long range main amplification line array array system
Line array complementary sound system
Line array flow dynamic performance set

SERIES INTRODUCTION

PRODUCTS

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APPLICATION

Stadiums, theatres, multi-purpose halls, lecture halls, auditoriums, banquet halls, and other venues. halls, lecture halls, auditoriums, banquet halls, clubs, mobile performances

- The AT Curve Array Series was developed by LAX through innovation. With a unique patented technology of professional line array system. After years of high-profile large-scale project testing, the technology makes the whole system stable, reliable and controllable.
- The drivers of this series have been carefully selected to high specifications to ensure consistent sound and take into account the durability.
- The series are made of multi-layer plywood and Russian birch top, through precise CNC machining, combined with the slotted articulation process, the iron mesh design is the classic LAX design - double V-slot form, which helps to reduce the resonance of the cabinet and foreign rattles. The newest product has been upgraded with a durable, wear-resistant, water-resistant poly lacquer finish, making the entire box more beautiful and durable.
- Proven hanging parts, safety factor greater than 7:1, to ensure the safety of the project installation.
- This series of products are equipped with a performance amplifier system designed for mobile systems, convenient for the design and construction of the system.



AT3212-V2

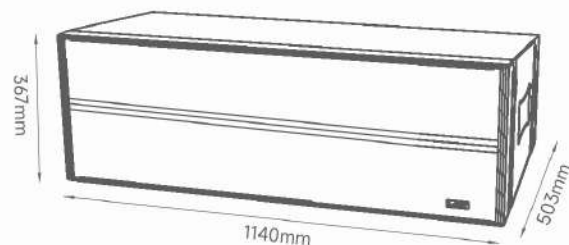
Dual 12" Three-way Tri-amp Line Array Speaker

FEATURES

- Two high quality titanium compression drivers with a 1.4" horn throat and a 75 mm (3") aluminium voice coil provides a much smoother, brighter and more transparent high frequency response, whilst reducing distortion at high sound pressure levels.
- The mid range is handled by 4 x 6.5" high output drivers, with a 45 mm voice coil.
- The low frequency is handled by a 2 x 12" high output drivers with a 75 mm voice coil, ensuring excellent sensitivity and dispersion.
- The precision-made 15-ply 24 mm and 9-ply 15 mm Baltic birch plywood cabinet features a durable paint finish for touring and rental use.
- Reinforced V-Slot grille reduces internal vibration noise.
- The integrated rigging system has a 7:1 safety coefficient.
- Designed for fixed-installation, touring, outdoor concerts, stadiums, and for all demanding sound reinforcement applications.
- Recommended for use with ATEC AT218B, Operation T18B-V2, S118B and WS118B Subwoofers.

SPECIFICATIONS

Frequency Response	60Hz - 18kHz (± 3 dB) / 50Hz - 18kHz (-10dB)
Dispersion (H)	100° x 10°
Sensitivity	HF: 110dB ; MF: 104dB ; LF: 98dB HF: 132dB (Continuous) / 138dB (Peak)
SPL	MF: 131dB (Continuous) / 137dB (Peak) LF: 127dB (Continuous) / 133dB (Peak)
Power Rating (AES)	HF: 160W ; MF: 480W ; LF: 800W
Nominated Impedance	HF: 16 Ω ; MF: 8 Ω ; LF: 8 Ω
HF Drivers	2 x 3" Neodymium / 75 mm Voice Coil
MF Drivers	4 x 6.5" Ferrite / 45 mm Voice Coil
LF Drivers	2 x 12" Ferrite / 75 mm Voice Coil
Enclosure	Phase Inverted
Fittings	AT3212-V2 FK
Connectors	NEUTRIK NL18MP x 2, HF: 1+1-, MF: 2+2-, LF: 3+3-
Dimensions (W x D x H)	1140 x 503 x 367mm
Net Weight	65kg



ACCESSORIES

Touring transportation	Rain cover	Flying Kit	Cable	Waterproof connector
Flight Case (1in1)	pieces	AT3212-V2 FK	8 x 2.5mm (1m)	Weipu
Dolly (4in1)				WY28J7TE

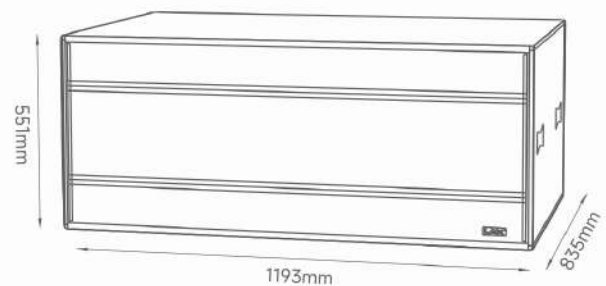


AT218B

Dual 18" subwoofer

FEATURES

- High powered 1800 W subwoofer, with 2 x 18" drivers with a 100 mm (4") dual layer voice coil , providing more surface area for strength and durability.
- Precision-made 15-ply 24 mm and 11-ply 18 mm Baltic birch plywood cabinet, with a durable paint finish for touring and rental use.
- Optimized cabinet structure designed to reduce unwanted resonances and airflow noise.
- Designed to be ground stacked in various array configurations.
- Low frequency extends down to 30 Hz (@ -10dB).
- Reinforced V-Slot grille reduces internal vibration noise.
- The LF drivers features a humidity resistant paper cone.
- Designed for touring, outdoor concerts, stadiums , fixed installation and for all demanding sound reinforcement applications.
- Recommended for use with ATEC and Novo Line Array Systems, AR Curve Array Systems, FP and all full-range speaker systems.



SPECIFICATIONS

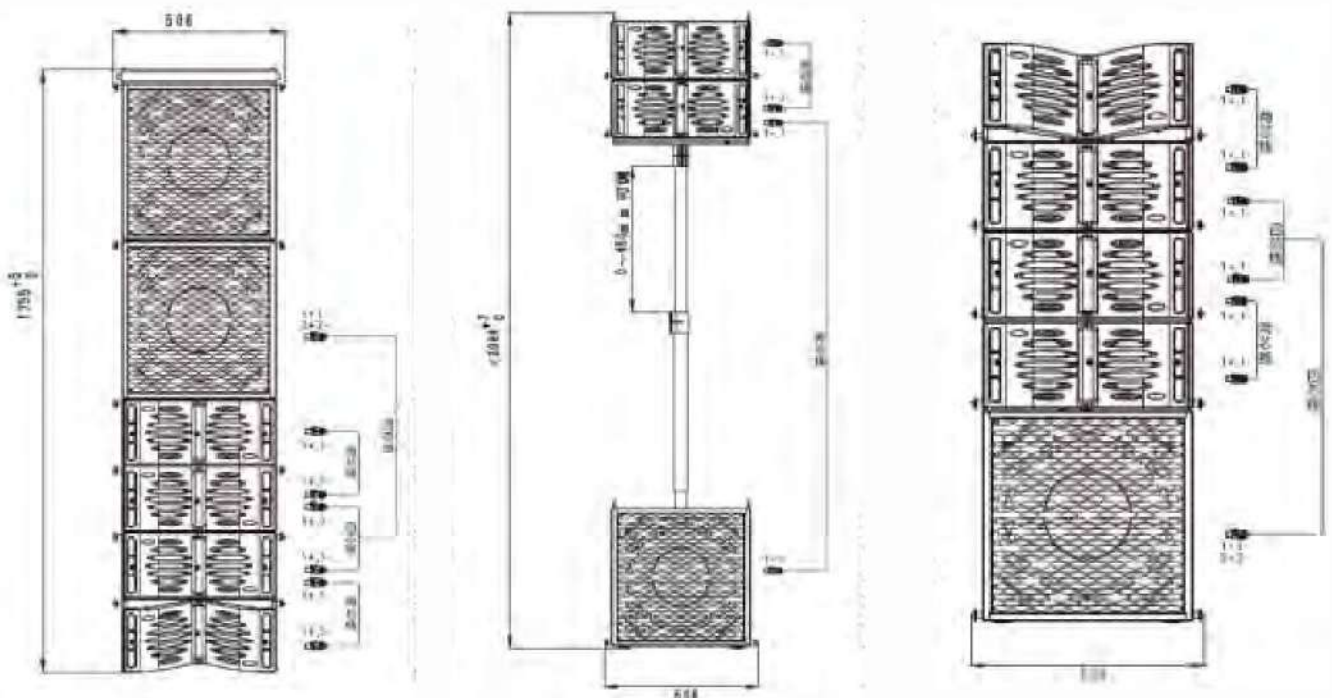
Frequency Response	40 Hz - 150 Hz (± 3 dB) / 30 Hz - 250 Hz (-10 dB)
Sensitivity (1 W / 1 m)	104dB
SPL (1m)	136 dB (Continuous) / 142 dB (Peak)
Power Rating (AES)	1800W
Nominated Impedance	4 Ω
LF Drivers	2 x 18" Ferrite Woofer / 100 mm Voice Coil
Enclosure	Phase Inverted
Connectors	NEUTRIK NL4MP x 2, LF: 2+2-
Dimensions (W x D x H)	1193 x 835 x 551 mm
Net Weight	86kg

ATS206&ATS115BA

Small horizontal line array system

FEATURES

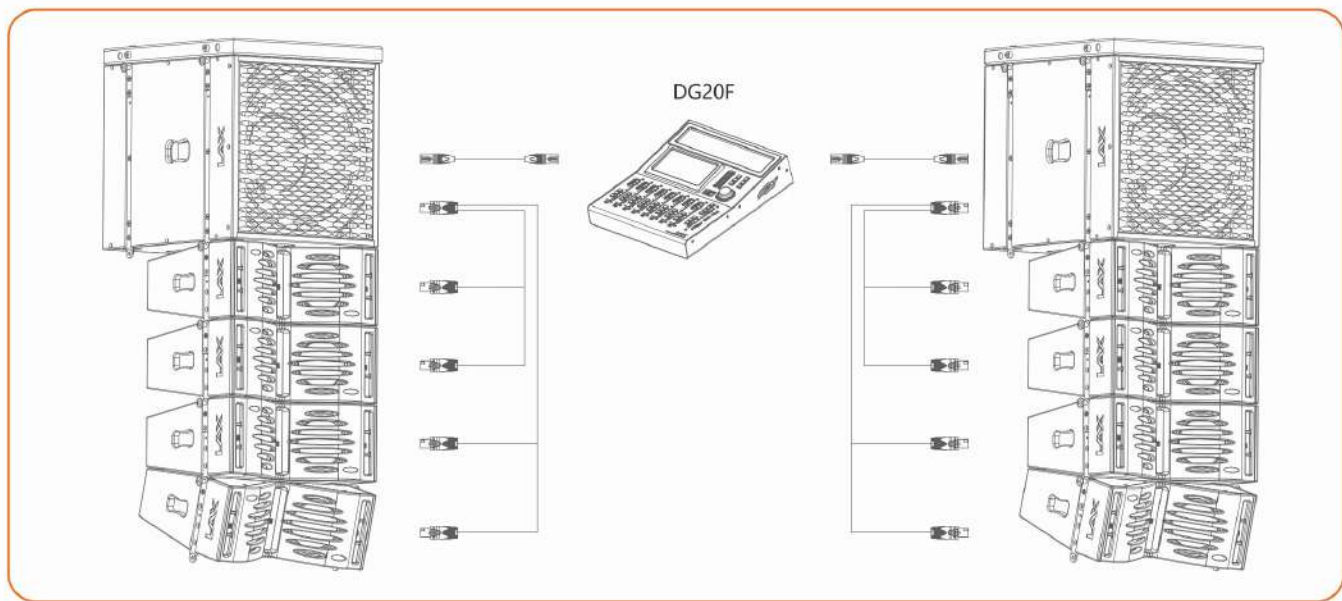
- ATS206 is a small and flexible sound reinforcement system suitable for small and medium-sized, bringing greater convenience to performances. The rigorous cylindrical sound source waveguide and speaker distance are designed to meet the performance requirement of superimposed +6dB line array. The mid-high frequency and mid-low frequency phase corrector, diffuser horn, and compression cavity are all integrated;
- In addition to the classic black, the appearance panel of ATS206 has two colors of LAX yellow and deep purple to choose from;
- The high frequency uses a 1.75 inch compression drive unit loaded with a linear waveguide, and its outlet happens to form a co-horn diffusion structure with the mid-range virtual coaxial with the mid-frequency compression cavity;
- The mid-low frequency adopts neodymium magnet high-sensitivity dual 6.5-inch customized unit, and the compression cavity is carefully designed to enhance the sensitivity. The outlet end is an integrated panel horn. This design can make its pointing performance more smooth.
- The ATS system has a flexible combination form: 2+1 support combination, 4+1 stack combination;
- ATS115BA built-in LAX SX3 audio processing module. A high-speed DSP with 96KHz/24bit sampling frequency is used for FIR correction.
- Multiple protection systems: peak protection, effective value protection, dynamic compression, overload, short circuit, etc.
- System control connection: USB and network interface (485 protocol).
- LAX special LAXCON control software can remotely adjust the speaker system parameters, which is flexible and convenient. Power dynamics are sufficient, 1500W@4Ω x 1+900W@8Ω x 2 total 3 independent channels. With the special upper hanger and lower support frame, it can fully meet the needs of various small and medium-sized sound reinforcement occasions.



SPECIFICATIONS

ATS206	
Frequency Response	85Hz - 20KHz
Sensitivity (1 W / 1 m)	99dB
SPL (1m)	121dB (Continuous) / 134dB (Peak)
Nominal coverage angle (HxV)	100° x 30°
Power Rated(AES)	250W
Unit configuration	Woofer: 2 x 6.5 inches, 16Ω / Tweeter 1 x 1.75 inches, 6Ω
Wiring	Full frequency ±1 or dedicated cable
Hanger hardware	Dedicated connection frame
Dimensions (W x D x H)	456mm x 375mm x 190mm
Net Weight	15kg

ATS115BA	
Frequency Response	45Hz - 200Hz
Sensitivity (1 W / 1 m)	99dB
SPL (1m)	130dB
Power Rated(AES)	500W
Unit configuration	Bass 1x15 inch/75 core/8Ω
DSP	96KHz/24bit, with 11 segments of PEQ, low pass, high pass, elevated, delay, polarity, volume, etc. Various protections: peak protection, RMS protection, compression limiting, FIR frequency division, various FIR correction data import
Amplifier power rate	1x 1500W (8Ω) + 2x 500 W (8Ω)
Pulse optimization	Pulse response optimization technology
Control software	LAX CON
AC power input	90V-240V 50/60Hz, socket powerCON
Input/output connection	Line input-XLR input/output, DSP control-USB direct connection or network port to 485 connection
Hanger hardware	Dedicated hanging parts with box + hanging rack
Dimensions (W x D x H)	456 x 456 x 531 mm
Net Weight	34kg



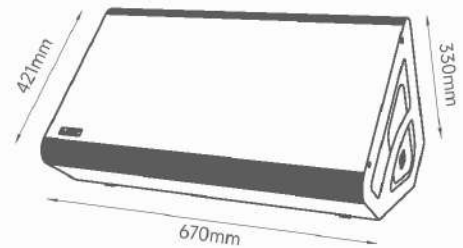
AT12M Single 12" full range monitor speaker

FEATURES

- 2-Way compact design wedge cabinet.
- Single 12" woofer with optimized low-mid dispersion cc
- 80° x 50° dispersion through a rotatable CD horn.
- 50 Hz - 18 kHz frequency response (@ -10 dB).
- Reinforced V-Slot grille.

SPECIFICATIONS

Frequency Response	60 Hz - 18 kHz (+- 3 dB) / 50 Hz - 18 kHz (-10 dB)
Dispersion (H)	80° x 50° Rotatable
Sensitivity	98 dB
SPL	124 dB (Continuous) / 130 dB (Peak)
Power Rating (AES)	450 W
Nominated Impedance	8Ω
HF Drivers	1 x 1.4" Ferrite / 75 mm Voice Coil
LF Drivers	1 x 12" Ferrite / 75 mm Voice Coil
Connectors	NEUTRIK NL4MP x 2, HF: 1+1-
Dimensions (W x D x H)	421 x 330 x 670 mm
Net Weight	26 kg



AT15M Single 15" full range monitor speaker

FEATURES

- 2-Way compact design wedge cabinet.
- Single 15" woofer with optimized low-mid dispersion cor
- 80° x 60° dispersion through a rotatable CD horn.
- 45 Hz - 18 kHz frequency response (@ -10 dB).
- Reinforced V-Slot grille.

SPECIFICATIONS

Frequency Response	50 Hz - 18 kHz (+-3 dB) / 45 Hz - 18 kHz (-10 dB)
Dispersion (H)	80° x 60° Rotatable
Sensitivity	99 dB
SPL	126 dB (Continuous) / 132 dB (Peak)
Power Rating (AES)	500 W
Nominated Impedance	8Ω
HF Drivers	1 x 1.4" Ferrite / 75 mm Voice Coil
LF Drivers	1 x 15" Ferrite / 75 mm Voice Coil
Connectors	NEUTRIK NL4MP x 2, LF: 1+1-
Dimensions (W x D x H)	459 x 370 x 732 mm
Net Weight	30 kg

