



TLA1.3



SELF POWERED LINE ARRAY SYSTEM

MANUFACTURED IN AUSTRALIA



The Blackbird TLA1.3 System is a self powered modular loudspeaker system which provides true line array performance in a compact and highly portable package. The TLA1.3 is made up of four system components: the TLA1163 Mid-High Line Array, the TLA1243 Mid-High Line Array, the self powered TLA210A Sub Bass Cabinet and the passive TLA210B Sub Bass Cabinet.

The TLA1163 Line Array utilises 16x 3" Neodymium transducers and the TLA1243 Line Array utilises 24x 3" Neodymium transducers to provide true line array performance with exceptional clarity and transient response. Dispersion is tightly controlled at 120° (H) x 15° (V) allowing the system coverage to be focused to the audience area. The TLA1163 and TLA1243 feature custom extruded aluminium enclosures for reduced weight without compromising the sound quality or cabinet strength.

The TLA210A Sub Bass system uses 2x 10" Neodymium transducers for a smooth extended low frequency response. The TLA210A cabinet incorporates the TLA1.3 System's electronic processing and amplification. The on-board networkable DSP and closely coupled 2,500 Watts RMS Dual Channel Class D Amplifier provide exceptional high power performance and excellent system reliability under all operating conditions. One channel of the amplifier powers the sub bass system with the other channel powering the TLA1163 / TLA1243 Line Arrays.

The TLA210B is a passive sub bass system featuring the same system components and performance characteristics as the TLA210A. The sub bass cabinets are crafted from high grade birch ply and are fitted with two pole mount adaptors, handgrips and aluminium feet.

The TLA1.3 System offers a highly flexible system architecture. A compact lightweight mono system with two loudspeaker stacks utilises 2x TLA1163 Line Arrays + 1x TLA210A Powered Sub Bass + 1x TLA210B Passive Sub Bass.

A high powered stereo system with two loudspeaker stacks requires 2x TLA1163 or 2x TLA1243 Line Arrays + 2x TLA210A Powered Sub Bass. If additional low frequency reinforcement is required an additional 2x TLA210B can be added to this system.

Acoustic Technologies offers several preconfigured TLA1.3 Systems as turnkey solutions, complete with all cabling, transit cases and covers.

The Blackbird TLA1.3 System is ideal for a wide range of portable and installed sound reinforcement applications including live music presentations, house of worship audio, outdoor events and corporate productions.

Key Features

- Full Range Turnkey System
- True Line Array Performance
- Class D Amplification with Networkable DSP
- Flexible System Architecture
- Compact Lightweight Design
- 5 Year Warranty



TLA 1.3 Dual Mono System
2x TLA1163, 1x TLA210A, 1x TLA210B



TLA 1.3 Stereo System
2x TLA1163, 2x TLA210A, 2x TLA210B





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System Acoustic Performance

Frequency Response	50Hz - 15kHz ± 3dB
Sensitivity	96dB @ 1 Watt, 1 metre
Maximum SPL (Calculated)	127dB @ 1 metre (per TLA1163+TLA210A Stack) 129dB @ 1 metre (per TLA1243+TLA210A Stack)
High Frequency Dispersion	120°(H) x 15°(V)

System Amplifier Specifications

Input Impedance	10k Balanced
Amplifier Module Output Power	1250 + 1250 Watts RMS
Amplifier Module Type	Dual Channel Class D with on-board DSP Switch Mode Power Supply
Amplifier Protection	Over Current, Over Temperature, DC on Outputs
Indicator LEDs	Power On, Signal Present, Limit Active
Connectors	Signal Input & Signal Link XLR Connectors BvNET Input & BvNET Link RJ45 Connectors Powercon AC Mains Inlet
Switches	Mains Switch & Circuit Breaker High Pass Off/50Hz Switch Factory / User Preset Switch

TLA1163 / TLA1243 Mid High Enclosure Specifications

Transducer Complement	TLA1163 - 16x 3" Neodymium Transducers TLA1243 - 24x 3" Neodymium Transducers
Physical Size (excluding Mounting Spigot)	TLA1163 - 105mm (W) x 1308mm (H) x 73mm (D) TLA1243 - 105mm (W) x 1956mm (H) x 73mm (D)
Weight	TLA1163 - 6.5Kgs TLA1243 - 9.5Kgs
Enclosure Finish	Portable Systems: Black Powder Coat Install Systems: Colour Powder Coat available on request
Grille Finish	Portable Systems: Black Powder Coat Install Systems: Colour Powder Coat available on request
Hardware	Pole Mount Spigot Assembly

TLA210A / TLA210B Sub Enclosure Specifications

Physical Size	370mm (W) x 650mm (H) x 520mm (D)
Weight	TLA210A - 29Kgs TLA210B - 28Kgs
Enclosure Finish	AcoustiCoate Black Elastomer
Grille Finish	Black Powder Coat
Hardware	8x Aluminium Feet 2x Handgrips 2x Pole Mount Adaptor

Accessories

TLA1163 / TLA1243	Transit Case
TLA210A / TLA210B	Transit Case Canvas Cover

The TLA210A and TLA210B enclosures are constructed of high quality void free 18mm ply while the TLA1163 and TLA1243 have an aluminium extrusion. The transducers are protected by a perforated steel mesh, lined with acoustically transparent foam, providing a durable visually appealing finish.

Sensitivity, Maximum Power and SPL measurements are conducted in accordance with the AES 24 Hour Pink Noise Standard.

Acoustic Technologies reserve the right to alter or amend the TLA1.3, without prior warning in the interests of product improvement.

For further information, general arrangement and downloads please visit:

www.atprofessional.com.au



Suggested Applications

- Live Music Performances
- Corporate Production
- House of Worship Audio
- Compact Touring Systems
- Festivals and Public Events
- Outside Broadcasts
- Mobile DJ Systems



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