



TLA1.4



SELF POWERED LINE ARRAY SYSTEM

MANUFACTURED IN AUSTRALIA



The Blackbird TLA1.4 System is a self-powered modular loudspeaker system which provides true line array performance in a compact and highly portable package. The TLA1.4 is made up of three system components: the TLA1164 Mid-High Line Array, the TLA1244 Mid-High Line Array and the self-powered TLA210A Sub Bass Cabinet.

The TLA1164 Line Array utilises 16x 3.5" Neodymium transducers, and the TLA1244 Line Array utilises 24x 3.5" 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 TLA1164 and TLA1244 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 low distortion transducers for a smooth extended low frequency response. The TLA210A cabinet incorporates the TLA1.4 System's electronic processing and amplification. The TLA210A has a PowerSoft DSP/amplification platform. This provides 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 TLA1164 / TLA1244 Line Arrays.

The sub bass cabinets are crafted from high grade Finnish birch ply and are fitted with two pole mount adaptors, handgrips and rubber feet.

The TLA1.4 System offers a highly flexible system architecture. A high powered stereo system with two loudspeaker stacks requires 2x TLA1164 or 2x TLA1244 Line Arrays + 2x TLA210A Powered Sub Bass cabinets.

If additional low frequency reinforcement is required an additional 2x TLA210A can be added to this system. Acoustic Technologies offers several preconfigured TLA1.4 Systems as turnkey solutions, complete with all cabling and padded canvas covers.

The Blackbird TLA1.4 Systems are 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

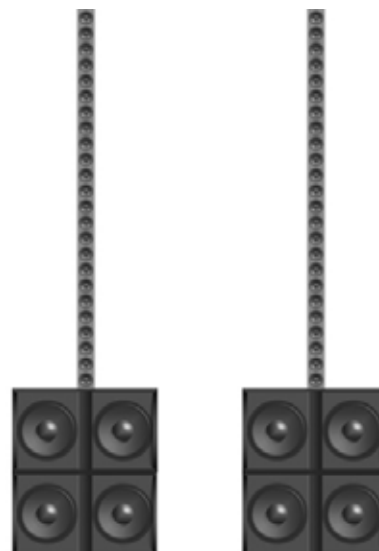
- Full Range Turnkey System
- True Line Array Performance
- PowerSoft DSP/Amplification
- Flexible System Architecture
- Compact Lightweight Design
- 5 Year Warranty



Touring Systems



TLA 1.4 Stereo System
2 x TLA1164, 2 x TLA210A



TLA 1.4 Stereo System
2x TLA1244, 4x TLA210A



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System Acoustic Performance

Frequency Response	50Hz - 15kHz ± 3dB
Sensitivity	97dB @ 1 Watt, 1 metre
Maximum SPL (Calculated)	128dB @ 1 metre (per TLA1164+TLA210A Stack) 130dB @ 1 metre (per TLA1224+TLA210A Stack)
High Frequency Dispersion	120°(H) x 15°(V)

System Amplifier Specifications

Input Impedance	10k Balanced
Amplifier Module Type	PowerSoft Dual Channel power amplifier with DSP Platform
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 Selectable 4 Separate Presets



TLA1164 / TLA1124 Mid High Enclosure Specifications

Transducer Complement	TLA1164 16 x 3.5" Neodymium Transducers TLA1244 24 x 3.5" Neodymium Transducers
Physical Size (excluding Mounting Spigot)	TLA1164 102mm (W) x 1474mm (H) x 100mm (D) TLA1244 102mm (W) x 2194mm (H) x 100mm (D)
Weight	TLA1164 - 8.2 Kgs TLA1244 - 11.8Kgs
Enclosure Finish	Black Powder Coat
Grille Finish	Black Powder Coat
Hardware	Pole Mount Spigot Assembly

TLA210A / TLA210B Sub Enclosure Specifications

Transducer Compliment	2 x 10" Low Distortion LF Neodymium Tranducers
Physical Size	370mm (W) x 650mm (H) x 520mm (D)
Weight	TLA210A - 26 Kgs
Enclosure Finish	AcoustiCoate Black Elastomer
Grille Finish	Black Powder Coat
Hardware	8x Rubber Feet, 2x Handgrips, 2x Pole Mount Adaptor

Accessories

TLA1164 / TLA1224	Canvas Covers
TLA210A	Canvas Covers

Suggested Applications

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

The TLA210A and TLA210B enclosures are constructed of high quality void free Finnish Birch 18mm ply while the TLA1164 and TLA1244 have an aluminium extrusion. The transducers are protected by a perforated steel mesh, lined with acoustically transparent material, 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 TLA1.4, without prior warning in the interests of product improvement.

- For further information, general arrangement and downloads please visit:

www.atprofessional.com.au



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