



TLA1.4



SELF POWERED LINE ARRAY SYSTEM

MANUFACTURED IN AUSTRALIA



The Acoustic Technologies 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 transducers for a smooth extended low frequency response. The TLA210A cabinet incorporates the TLA1.4 System's electronic processing and amplification. One channel of the amplifier powers the TLA210A Sub Bass system with the other channel powering the TLA1164 / TLA1244 Line Arrays.

The TLA1.4 System is powered by sophisticated Powersoft Class D Amplifier Module which features a fully integrated Switch Mode Power Supply and on-board Digital Signal Processing delivering an output power of 1,200 Watts RMS. The Switch Mode Power Supplies features automatic mains voltage selection for world wide operation, the latest generation single-stage patented Power Factor Correction and an incredibly low 0.5 Watts standby power consumption.

The on-board Digital Signal Processing is configured with 4x Acoustic Technologies factory recommended settings which guarantees optimal system performance, output power and long term reliability. The factory presets are voiced to provide superb monitoring for a wide variety of performance applications. One preset is reserved for system operator adjustment.

The amplifier module provides Signal Input and Link XLR connectors and a Powercon® AC Mains Inlet connector. A USB Type B connector allows Powersoft's Armonia software to control and monitor the system's DSP and amplifiers

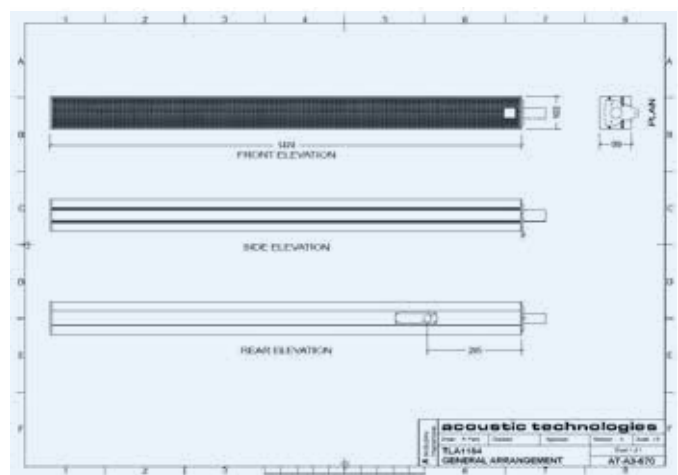
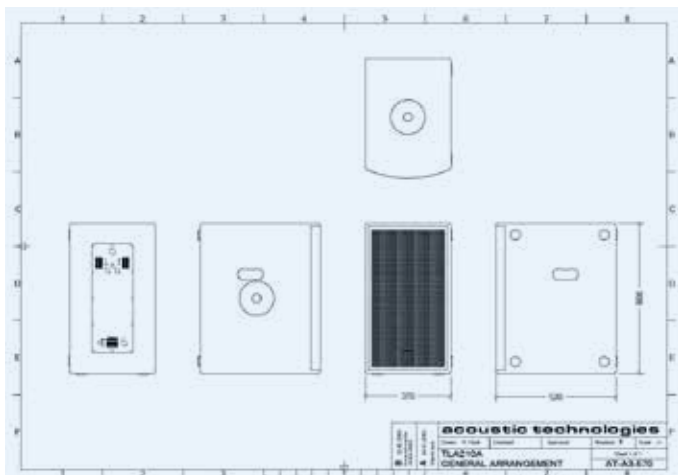
The TLA1.4 System offers a highly flexible system architecture. A compact lightweight mono system with two loudspeaker stacks utilises 1x TLA1164 Line Arrays + 1x TLA210A Powered Sub Bass.

A high powered stereo system with two loudspeaker stacks requires 2x TLA1164 or 2x TLA1244 Line Arrays + 2x TLA210A Powered Sub Bass.

Acoustic Technologies offers several preconfigured TLA1.4 Systems as turnkey solutions, complete with all cabling and covers.

Acoustic Technologies 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.

Touring Systems





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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 Class D with on-board DSP Switch Mode Power Supply
Amplifier Protection	Over Current / Short Circuit Over Temperature DC on Outputs
Indicator LEDs	Power On Status Signal Present Limit Active or Over Temperature Preset Selected 1-4
Connectors, controls and Switches	Signal Input & Signal Link XLR Connectors USB Type B Powersoft Programming Connector PowerCon® AC Mains Inlet Mains Power Switch Input Level Control



TLA1164 / TLA1224 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	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 Sub Enclosure Specifications

Transducer Compliment	2 x 10" Bass Mid Neodymium Tranducers
Physical Size	370mm (W) x 650mm (H) x 520mm (D)
Weight	29 Kgs
Enclosure Finish	AcoustiCoate Black Elastomer
Grille Finish	Black Powder Coat
Hardware	8 x Rubber Feet, 2x Handgrips, 2x Pole Mount Adaptors

Accessories

TLA1164 / TLA1224	Canvas Covers
TLA210A	Canvas Cover

The TLA210A enclosure is constructed of high quality void free 18mm ply while the TLA1164 and TLA1244 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 TLA1.4, 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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