



TLA039A/TLA521A



COMPACT SELF POWERED LINE ARRAY SYSTEMS

MANUFACTURED IN AUSTRALIA



The TLA039A and TLA521A are versatile, compact, full range self-powered line array systems, providing excellent performance in a wide range of difficult installation applications. They are ideally suited for use in highly reverberant spaces where there is no suitable location for conventional sub bass cabinets.

The TLA039A system enclosure comprises 3 x 6.5" Neodymium long-throw woofers and 9 x 2" full range elements. The TLA521A system enclosure comprises 5 x 6.5" Neodymium long-throw woofers and 21 x 2" full range elements. The multi-element full range line array can be adjusted for optimal focusing within the audience listening plane.

The TLA039A and TLA521A are powered by a new generation Powersoft Class D Module with Digital Signal Processing (DSP) which features an integrated Switch Mode Power Supply. The amplifier module provides Soft Limit and Thermal Overload protection, balanced XLR audio connectors, a Gain Trim control, Preset Select switch and a PowerCon® mains inlet. The Preset Select switch changes settings in the factory programmed DSP to provide superb performance for all applications.

The cabinet is constructed from premium grade Birch ply and is available with multiple colour choices for décor matching. A perforated steel mesh grille protects the system components. A range of flying hardware options are available.

The TLA039A and TLA521A are highly accurate professional loudspeaker systems offering extremely high output with a smooth extended frequency response, eminently suitable for all music and vocal reproduction in applications as diverse as worship production, theatre performances and corporate audio/video presentations.

Key Features

- ▶ Full Range Turnkey System
- ▶ True Line Array Performance
- ▶ Powersoft Class D Amplifier with on-board DSP
- ▶ Flexible System Architecture
- ▶ Compact Lightweight Design
- 5 Year Warranty



TLA039A Shown at top with grille bottom without grille

Installation and Touring

The TLA039A and TLA521A enclosures are constructed of high quality void free 12mm Birch ply. The transducers are protected by a perforated steel mesh, lined with acoustically transparent material, providing a durable visually appealing finish.



TLA039A/TLA521A

COMPACT SELF POWERED LINE ARRAY SYSTEM



PROFESSIONAL AUDIO SYSTEMS

MANUFACTURED IN AUSTRALIA



Installation and Touring

System Acoustic Performance

Frequency Response	60 Hz - 18 kHz -10 dB
Maximum SPL (Calculated)	TLA039A - 121dB @ 1 metre TLA521A - 124dB @ 1 metre
High Frequency Dispersion	TLA039A - 120° (H) x 18° (V) TLA521A - 120° (H) x 10° (V)

System Components

Transducer Complement	TLA039A - 3 x 6.5" Neodymium LF Transducer 9 x 2.0" Neodymium Full Range Transducer TLA521A - 5 x 6.5" Neodymium LF Transducer 21 x 2.0" Neodymium Full Range Transducer
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Amplifier Specifications

Input Impedance	10k Ohms Balanced
Amplifier Module Output Power	1,400 Watts RMS
Amplifier Module Type	Powersoft Class D Amplifier with on-board DSP
Amplifier Protection	Over Current / Short Circuit Over Temperature DC or High Frequency on Outputs
Indicator LEDs	Power On Status Signal Present Limit Active or Over Temperature Protection Preset Selected 1 - 4

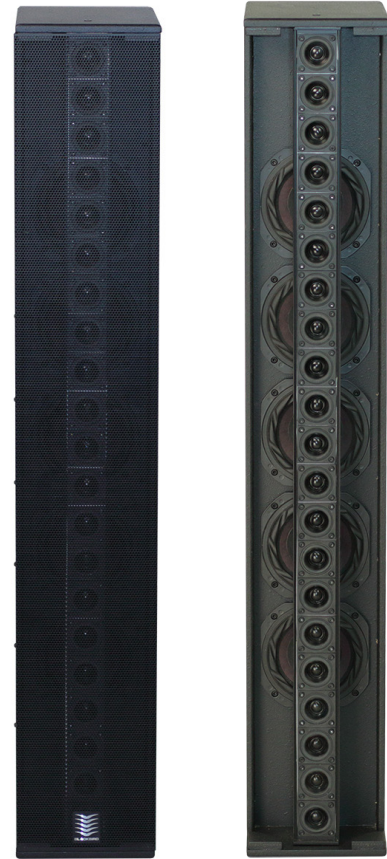
Connectors, Controls and Switches	Signal Input & Signal Link XLR Connectors USB Type B Powersoft Programming Connector PowerCon® AC Mains Inlet Input Level Control
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Enclosure Specifications

Physical Size	TLA039A - 556mm (H) x 208mm (W) x 366(D) TLA521A - 1,246mm (H) x 208mm (W) x 366(D)
Weight	TLA039A - 15.2 Kgs TLA521A - 31.0 Kgs
Enclosure Finish	Paint finish with multiple colour choices for décor matching
Grille Finish	Black Powder Coat finish, lined with acoustically transparent material
Mounting Options and Hardware	'C' Bracket as standard Rigging Points and other options available on request

For further information, general arrangement and downloads please visit:

www.atprofessional.com.au



TLA521A pictured with and without grille

Suggested Applications

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

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 TLA039A /521A, without prior warning in the interests of product improvement.



Acoustic Technologies

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