

# FR21A

SELF POWERED FULLRANGE LOUDSPEAKER

**at**

PROFESSIONAL AUDIO SYSTEMS

MANUFACTURED IN AUSTRALIA



The FR21A is powered  
by Powersoft DSP  
Amplification Platforms



touring and Installation

Acoustic Technologies' commitment to engineering superior loudspeaker products is exemplified in the FR21A, a full range self powered loudspeaker system providing exceptional performance in a broad range of professional sound reinforcement applications.

The FR21A employs a highly efficient 12" Neodymium low frequency transducer in a ported enclosure and an advanced 1 x 1.4"/1" exit H.F. compression driver coupled to a H.F. waveguide developed specifically for this cabinet.

The FR21A is 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 finished in black AcoustiCoate. A perforated steel mesh grille protects the system components. The FR21A offers remarkable versatility for all applications. The cabinet's hardware includes rigging track on the top panel for safe suspension and an industry standard pole-mount adaptor. Recessed hand grips are provided for easy handling.

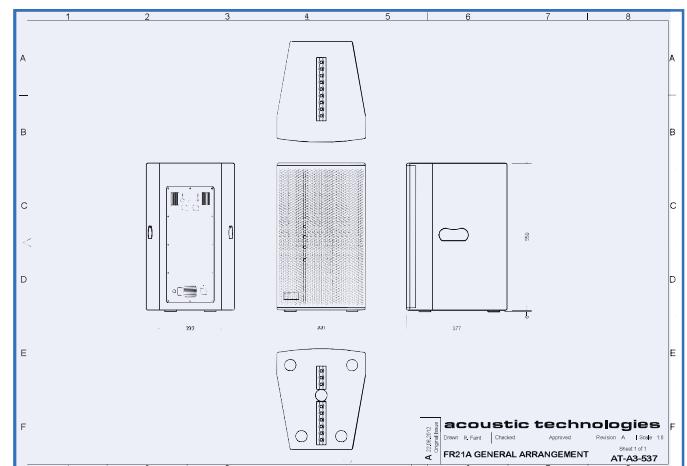
The FR21A is a truly professional loudspeaker system offering extremely high output with a smooth extended frequency response, eminently suitable for all music and vocal reproduction. such as corporate audio/video presentations, live music production, worship production and theatre performances.

## Key Features

- ▶ Versatile Fullrange Loudspeaker System
- ▶ Self Powered
- ▶ 3 Year Warranty

## Overview

- ▶ Dimensions: Height 556mm (inc Feet), Depth 444mm, Front Width 331mm, Rear Width 232mm
- ▶ Weight: 24 Kgs
- ▶ Finish: AcoustiCoate Black Elastomer Finish
- ▶ Transducer: 1 x 12" Neodymium LF Transducer  
1 x 1.4"/1" exit HF Compression Driver



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## Acoustic Performance

Frequency Response	90 Hz - 18 kHz $\pm$ 3 dB 60 Hz - 22 kHz -10 dB
Sensitivity	99dB @ 1 Watt, 1 metre
Maximum SPL (Calculated)	130.5dB @ 1 metre
High Frequency Dispersion	70° (H) x 40° (V) or 100° (H) x 40° (V)

## System Components

Transducer Complement	1 x 12" Neodymium LF Transducer 1 x 1.4"/1" exit HF Compression Driver
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## Amplifier Specifications

Input Impedance	10k Ohms Balanced
Amplifier Module Output Power	1400 Watts RMS
Amplifier Module Type	Powersoft Class D Amplifier with on-board DSP Switch Mode Power Supply

Amplifier Protection	Over Current / Short Circuit Over Temperature DC or High Frequency on Outputs
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Indicator LEDs	Power On Status Signal Present Limit Active or Over Temperature Protection Preset Selected 1 - 4
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Connectors, Controls & 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	Height 556mm (inc Feet), Depth 444mm, Front Width 331mm, Rear Width 232mm
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Weight	24 Kgs
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Enclosure Finish	AcoustiCoate Black Elastomer Finish
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Grille Finish	Black Powder Coat Paint Finish, lined with acoustically transparent material
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Hardware	2 x Handgrips Fly Track Rigging System Pole Mount Fitting
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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 FR21A without prior warning in the interests of product improvement.

## Suggested Applications

- Live Music Production
- Rehearsal Room Monitors
- Corporate Production
- Houses of Worship
- Musical Theatre & Sound Stages
- Television & Radio Cue, Review and Playback Monitors
- DJ Booth Monitors

The FR21A enclosure is constructed of high quality void free 18mm Birch ply. The transducers are protected by a perforated steel mesh, lined with acoustically transparent material, providing a durable visually appealing finish.



## Acoustic Technologies

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