

A 4372 - Phase5 Public Address Amplifier 2x125W



Overview

Manufactured in Australia to stringent engineering criteria, the Redback A 4372 amplifier exhibits remarkable performance and outstanding reliability. Over 2 years in design and development, the evolution of this amplifier included extensive consultation and input from pro sound contractors and installers across the country. The host of features incorporated commend this amplifier series to the most demanding of pro sound and industrial PA system applications.

The Redback 2 x 125W power amplifier is ideal for installations requiring high power zone amplifiers. Ideally suited for use in shopping centres, pedestrian precincts, public transport facilities and convention centres.

High Performance

Frequency response extends from 50Hz to 15kHz at a total harmonic distortion (THD) of less than 0.5%. Output is 4 to 16 ohm, 70V and 100V line.

Protection Features

Over temperature sensing is employed to shut down the amplifier in extreme over heat conditions, e.g. extreme over load and /or over drive misuse. Re-start is automatic once normal temperatures are attained.

The output voltage is limited to 110V maximum RMS voltage irrespective of load impedance to prevent damage to speaker load. Standard 100V line PA amplifiers can deliver up to 180 volts or more under conditions of high drive and very light loading. This output over voltage can quickly destroy any loudspeakers connected.

In the event of an overload, the output current is limited by the internal circuitry, thus reducing the output voltage at the speaker terminals. The front panel 'Overload' LED flashes, indicating a fault with the speaker circuit.

Thermally Cued Fan Cooling

Redback® amplifiers incorporate on demand multi-staged thermally cued fan forced cooling. The output power stage is thermally monitored enabling automatic operation of a long life cooling fan, which spins very slowly to maintain an optimum operating temperature and to minimise ambient noise. In quiescent or ordinary cycle paging mode the fan is inoperative.

Key Features

- Australian made
- 10 year manufacturer warranty with local product support
- Robust design incorporating latest Mosfet technology
- Very Low noise and distortion
- 100V outputs
- 240V AC or 24V DC operation
- Multi stage thermally cued fan cooling
- Output Peak Limited
- Thermal Overload protected
- Signal Presence Indicators
- Fault Indicators
- Power Status Indicators
- Rack Mountable (suits 19 inch racks)

About Redback® Public Address Products

Redback® products are proudly designed, engineered and manufactured in Australia.

Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 45 years experience in the commercial sound industry. Redback® offer locally available servicing and parts, plus the ability to offer feedback direct to the manufacturer.

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Rear Panel

- 1 XLR line input
- 2 XLR line output
- 3 Channel volume control
- 4 24V DC in terminals
- 5 DC resettable fuses
- 6 Output connections
- 7 Mains power input
- 8 XLR line input
- 9 XLR line output
- 10 Channel volume control
- 11 24V DC in terminals
- 12 DC resettable fuses
- 13 Output connections

Specifications

Electrical	
Power	2 x 125 Watts RMS
Distortion	<0.5%, @ 1kHz
Output line	100V
Frequency response	50Hz - 15kHz, -3dB
Mic sensitivity (3 Pin XLR)	500mV
Signal to noise ratio	> 75dB below rated output
Line output	600Ω balanced, 0dB, 3 pin XLR
Speakers	Screw terminals
Inputs	3 pin XLR (500mV)
24V DC power	Screw terminals
240V AC power	IEC power connector

Controls	
Mic inputs	Volume
Power	On/Off switch
Indicators	Power, signal present, output peak limiting, overtemp ,current limit, Protect, Half Power, 24V DC, Mains
Power supply	240V AC or 24V DC
Fuse protection	7.5A AC, 2 x 10A DC

Mechanical	
Weight	16kg
Dimensions	≈ 483W x 410D x 88H

Connections (per channel)

Input	Line In	
	3 pin XLR female (balanced)	

Output	Speakers	Line Out
	Screw terminals for 100V	3 pin XLR male (balanced)