





Operating Manual A 4264 4 x 60Watt Power Amplifier

OVERVIEW

The Redback A 4264 is a 4 x 60 Watt power amplifier for installations requiring four amplifiers in a small rack space. The amplifier is ideally suited for use with multi zone audio systems using 100V line speaker systems only.

FEATURES

- 4 independent 60W amplifiers
- Very Low noise and distortion
- 100V outputs
- 240V AC or 24V DC operation
- Output Peak Limited
- Thermal Overload protected
- Power Status Indicators
- Peak Limit Indicators
- Overload Indicators
- 2RU Rack Mountable (suits 19 inch racks)

POWER SUPPLY

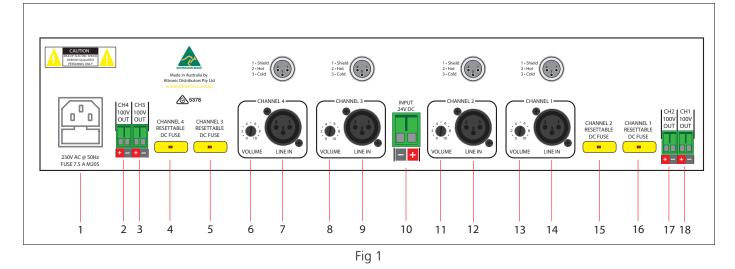
The amplifier operates on 230V AC or 24V DC primarily for battery backup operation. Ensure power is switched OFF at the front panel before connecting either mains power to the IEC socket or 24V DC to the screw terminal input. As high currents may be drawn when operating from a 24V DC supply confirm the capacity of the DC power supply used.

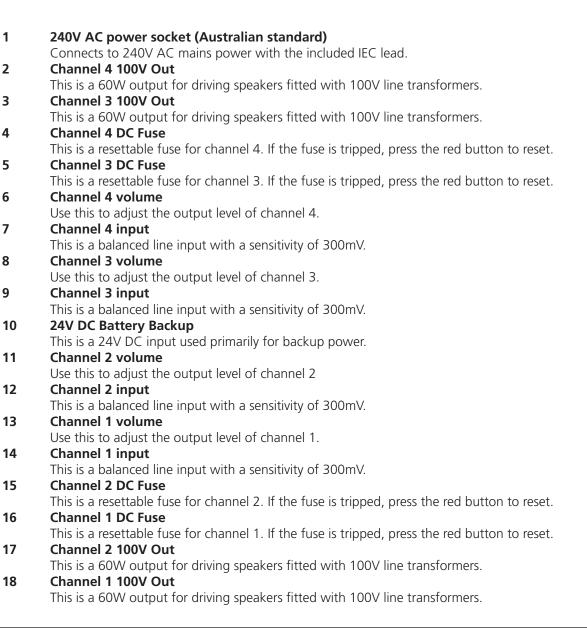
AUDIO CONNECTIONS

Audio input is via 3 pin balanced XLR sockets with input sensitivities of 300mV. Pinout details are printed on the rear of the amplifier. The amplifier output level controls are rear mounted to prevent tampering or accidental adjustment.

REAR PANEL CONNECTIONS

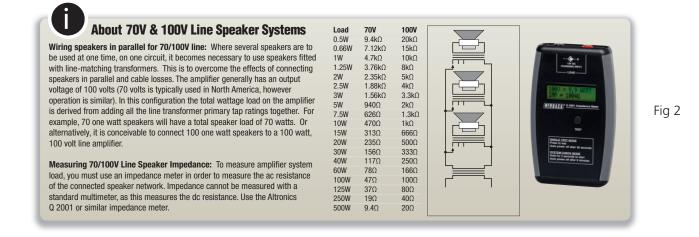
Fig 1 shows the layout of the A 4264 rear panel.





SPEAKER CONNECTIONS

Speakers fitted with 100V line transformers may be connected to the corresponding terminals on the rear of the amplifer. Always ensure the total load of the fitted speakers does not exceed the rated output of the amplifier (ie 60 watts) otherwise damage may result. When fitting speakers with line transformers the impedance of the load cannot be measured using a standard multimeter. An impedance meter is required. Fig 2 lists the impedance at certain loads of speakers fitted with 100V line transformers. So for a total load of 60 watts using 100V line transformer fitted speakers the impedance of the speaker load should be 166Ω .



TROUBLE SHOOTING

If the REDBACK Phase 4 amplifier fails to deliver the rated performance, check the following:

No Power, No Lights

Make sure amplifier power switch is on. Make sure mains power switch is on at the wall. Check the mains and DC fuse. Replace with only the correct type and rating. Over rated fuses will invalidate warranty.

Distorted Output

Check that the speaker type is correct for the output that you are using (ie. 4-16 Ω , 70V or 100V line). Check for any short circuits on the speaker line.

Very Low Output Volume

Make sure that the input is the correct level (check for shorted connectors). Check for any short circuits on the speaker line.

Check if power LED's on the front panel is lit to indicate there is signal. If it is not lit there is no signal present. **Continually Blows Fuses**

Make sure that the speaker line is not shorted. Check speaker types, ratings and if on correct output.

Amplifier Keeps on Cutting In & Out

Make sure that there is adequate ventilation around the amplifier. Check the vent slots on the front,top and sides are not covered or blocked and the fan on the rear is functioning correctly. Check also speaker types, ratings and for any short circuits on the speaker line.

No Output From 24V DC

Make sure the 24V DC Out connector is wired correctly.

SPECIFICATIONS

Typical Specifications per channel

Power Output:	60 watts RMS
Distortion:	
Output line:	
Frequency Response:	
Sensitivity:	
Signal to Noise Ratio:	>90dB
OUTPUT CONNECTORS	
Speakers:	Screw terminals

INPUT CONNECTORS

Inputs:	
24V DC power:	Screw terminals
240V AC power:	IEC power connector

CONTROLS	
Line inputs:	Volume
Power:	On/off switch
Indicators:	Power, Peak Limit,overload
Power Supply:	
FUSE PROTECTION:	7.5A AC , 5A DC
DIMENSIONS	≈483W x 410D x 88H
WEIGHT:	≈15kg Black

*Specifications subject to change without notice

CONTROLC

REDBACK is a registered trademark of Altronic Distributors Pty Ltd

Since 1976 Redback amplifiers have been manufactured in Perth, Western Australia by Altronics. With over 35 years experience in the commercial audio industry, we offer consultants, installers and end users reliable products of high build quality with local product support. We believe there is significant added value for customers when purchasing an Australian made Redback amplifier or PA product

Australian Made Status

All Redback house products made by Altronics will now be sporting the official Australian Made logo. Since starting manufacturing of commercial audio equipment in the mid 70's we have always taken pride in producing a quality local product.

The new adoption of the Australian Made logo will help us get the word out to local and export markets that our products carry the official compliance seal of the Australian Made campaign. We have always pushed our 'local is better' line in all of our marketing efforts, it's always an added boost when you are backed up by a widely recognised and respected icon.

Industry leading 10 year warranty.

There's a reason we have the industry leading DECADE warranty. It's because of a long tried and tested history of bulletproof reliability. We've heard PA contractors tell us they still see the original Redford amplifier still in service in schools that's over 37 years of operation - and still going strong!

Should a product become faulty please contact us to obtain a return authorisation number. Please ensure you have all the relevant documentation on hand. We do not accept unauthorised returns. Proof of purchase is required so please retain your invoice.

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