

A 4280 - Phase5 4 Zone 250W Public Address Amplifier



Overview

This Redback 4 Zone 250 Watt 100V Public Address Mixer Amplifier is similar in functionality to the A 4377/A4387 amplifiers with the addition of four 100V line output zones. During normal use, you are able to select via the front panel switches, any zone on or off to control BGM programming.

Operates with Redback A4660 Paging System

Remote paging to each zone is made possible by connecting the A 4660 paging console to the amplifier via Cat6 cable (2 consoles @ max 300m). This allows for paging to selected zones or all call, muting BGM to all zones. At the completion of the announcement, music will be restored to previously selected zones. BGM can also be selected on or off to all zones remotely from the paging console. When using the paging console, these microphones assume priority between input 1 and input 2 on the amplifier. If two consoles are connected, they operate on a first in, first served basis, activating a system busy indicator on the inoperative console.

Power & Protection Features

The amplifier operates from 240V AC mains or 24V DC permitting battery backup operation during mains power failure. The output comes standard suitable for a 100V line load, but this can be configured internally to 70V line or low impedance (4 - 16Ω) loads. Thermal overload, overcurrent and overload protection circuitry and fuses on both AC and DC provide excellent fault condition protection and robust performance. The amplifier also utilises a half power mode which enables the amplifier to continue to run at a reduced output level if it is being over driven.

Key Features

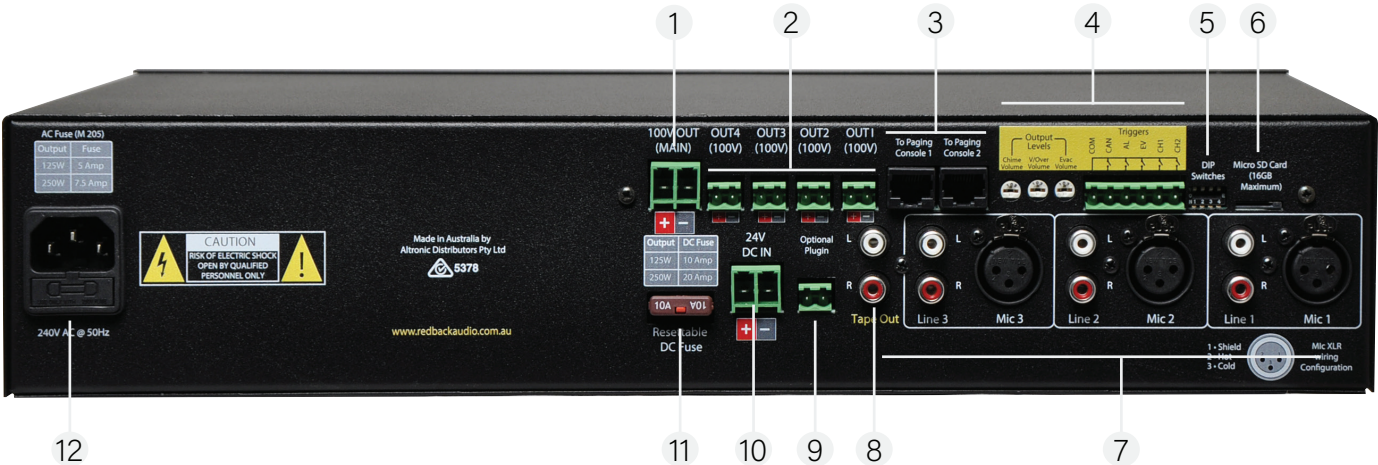
- Multi-stage thermally cued fan cooling
- 2U 19" rack mount (with optional A 4376)
- Tape record out terminals
- Provision for connection to Redback A4660 touchscreen paging console
- MP3 based Alert/Evac tones with MP3 voice over message for emergency tones (built in)
- 3 mic input and 4 auxiliary inputs
- Phantom powering available on all inputs
- Adjustable vox muting on inputs 1 & 2.
- Bass and treble tone controls
- Terminals for 100V line output
- 240V AC or 24V DC power operation
- Thermal & fuse overload protection
- Built in short circuit protection
- Australian designed & assembled

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 240V AC IEC input & AC fuse
- 2 100V line terminals
- 3 RCA Aux 3 stereo line input
- 4 RCA Aux 2 stereo line input
- 5 RCA Aux 2 stereo line input
- 6 Option configuration DIP switches
- 7 VOX muting sensitivity adjust
- 8 RCA Input 1 stereo line input
- 9 XLR 3 pin balanced mic input
- 10 Balanced input sensitivity adjust
- 11 DC Blade fuse 20A
- 12 24V DC input

Specifications

Electrical	
Power	250 Watts RMS
Distortion	<0.5%, @ 1kHz
Frequency response	50Hz - 12kHz, -3dB
Output line	100V
Input sensitivity	500mV music 1V line input 3mV mic input
Signal to noise ratio	> 75dB below rated output
Outout Connection	Screw terminals (speakers)
24V DC Output	Screw terminals
Output	600Ω balanced, 0dB, 3 Pin XLR
Inputs	3 pin XLR balanced or 2 x RCA
Muting	PTT via microphone switch contacts VOX muting (inputs 1-2)
24V-30V DC power	Screw terminals
240V AC power	IEC power connector
Indicators	Power, signal present, output peak, limiting, overtemp, overload protect, half power, 24V DC
Current draw	350mA Standby, 20A Full @ 24V DC
Protection	7.5A AC, 20A DC fuse
Power supply	240V AC or 24V DC (nominal)

Controls	
Volume	Individual levels per input & master.
Audio	Bass & treble adjustment.
Power	On/Off switch.

Mechanical	
Dimensions	≈ 483W x 300D x 88H mm
Weight	≈ 15.0kg

Connections

Input	Line In	
	3 pin XLR female (balanced) Stereo RCA (line)	

Output	Speakers	Tape Out
	Screw terminals for 100V line	Stereo RCA (line)

Note: We do not recommend using this amplifier with a combination of low impedance and 100V line speakers.