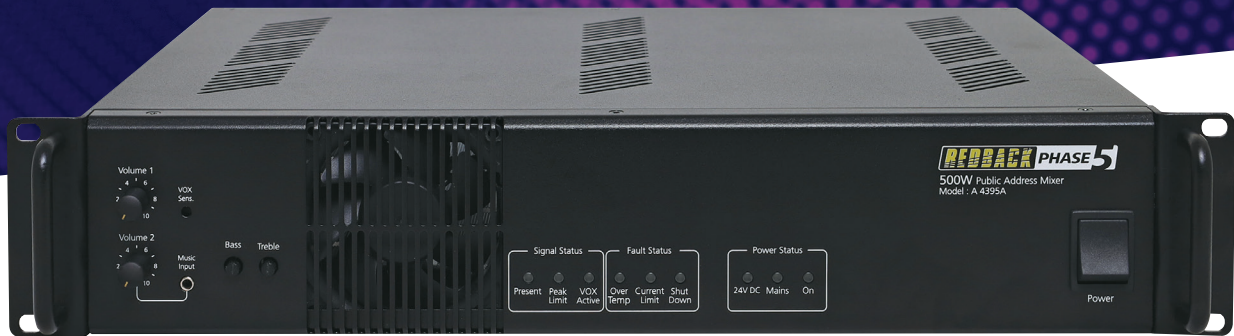


# A 4395A - Phase5® 500W 100V Public Address Mixer Amplifier



## Overview

The Redback A 4395A is a 500 Watt Mixer amplifier for installations requiring a high power zone amplifier. Ideally suited for use in shopping centres, pedestrian precincts, public transport facilities and convention centers.

### Flexible input design

The amplifier has two audio inputs, with input 1 either a balanced XLR input or dual RCA line input, and input 2 a dual RCA. There is also a music input on the front of the amplifier for connection of portable devices. This input when connected, over-rides the rear input 2 audio source and is adjusted via the volume 2 level control.

Phantom power (15 Volts) is available at the 3 pin XLR on input 1 and both inputs 1 and 2 have adjustable input sensitivities.

### High Performance

A 4395 conservatively delivers 500W RMS of power. Frequency response extends from 50Hz to 12kHz at a total harmonic distortion (THD) of less than 0.5%. Output may be 100V line or low impedance (4 - 16Ω) speaker loads.

### Protection Features

Fitted with in-built thermal overload shutdown, over current and short circuit protection for reliable operation in all conditions.

### VOX Muting Functionality

A VOX circuit with front panel sensitivity adjustment, allows input 1 to mute input 2.

## Key Features

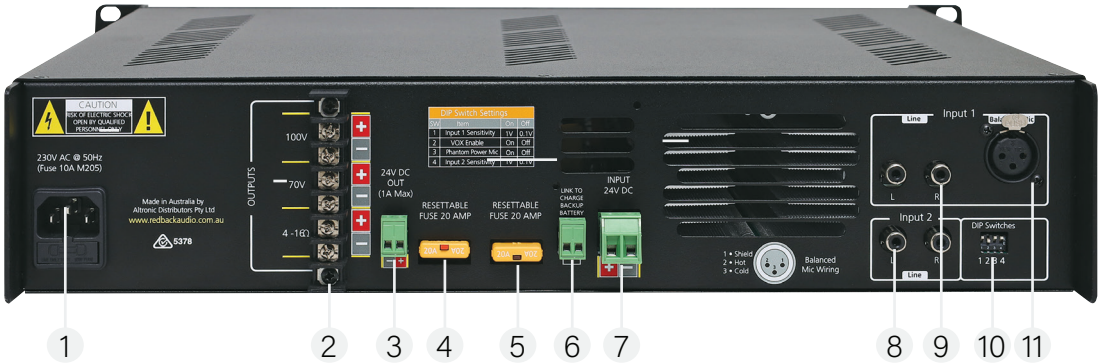
- Australian made
- 10 year manufacturer warranty with local product support
- Robust design incorporating latest Mosfet technology
- Very Low noise and distortion
- 70V, 100V and 4-16Ω outputs
- 240V AC or 24V DC operation
- 24V DC @ 1 Amp output for external devices
- 300mA battery trickle charge
- Adjustable input level sensitivities
- Bass and Treble controls
- Phantom power on microphone input (XLR Input 1)
- 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 Amplifiers

**Redback® amplifiers 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 input                 | 4 20A DC resettable blade fuse        | 7 24V DC input terminals | 10 DIP input selection options  |
| 2 100V/70V/4-16Ω line terminals | 5 20A DC resettable blade fuse        | 8 RCA input 2            | 11 XLR 3 pin balanced (input 1) |
| 3 24V DC 1A output terminal     | 6 24V DC battery charge link terminal | 9 RCA input 1            |                                 |

## Specifications

Electrical	
Power output	500 Watts RMS
Distortion	< 0.5% @ 1kHz
Output line	100V, 70V or 4-16Ω
Signal to noise ratio (Mic input)	Typically 75dB below rated output.
Signal to noise ratio (Line input)	Typically 81dB below rated output.
Frequency response (Mic input)	50Hz - 12kHz, -3dB
Frequency response (Line input)	50Hz - 15kHz, -3dB
Input sensitivity	100mV or 1V
Power supply	240V AC or 24V DC
Current draw	350mA standby, 17A full load
240V AC power	IEC power connector
24V DC power	Screw terminal
Protection	10A AC, 20A DC fuses
Vox muting	60dB below rated output
Controls	
Volume 1	Controls mic 1 / line 1
Volume 2	Controls mic 2 / line 2 (and music input)
Bass	±10dB @ 100Hz
Treble	±10dB @ 10kHz
Power	On/Off switch
LED indicators	Power, signal present, output peak limiting, overtemp, current limit, shutdown, VOX active, 24V DC, mains
Mechanical	
Dimensions	483W x 380D x 88H mm
Weight	≈ 19.5kg

## Connections

Inputs	Mic 1	Line 1-2
	3 pin XLR fem. (balanced)	Stereo RCA line 1-2 3.5mm jack line 2
Outputs	Speakers	
	Screw terminals for 100V line, 70V line and 4-16Ω	

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