

A 4377A - Phase5 Public Address Mixer Amplifier 125W Input



Overview

The Redback A 4387A 250 Watt 4 channel mixer amplifiers is specifically designed for applications requiring up to three microphone inputs, without compromising output power and overall performance. The amplifiers feature three inputs which can be configured for either microphone or line level operation.

The A 4387A delivers 250W RMS power. The frequency response extends from 50Hz to 15kHz ± 3 dB at a total harmonic distortion (THD) of less than 0.5% @ 1kHz. Vox muting is provided on inputs one and two, which, when activated, automatically mutes the other inputs. Bass and treble controls and phantom powering capability enable unparalleled flexibility for a wide scope of applications such as factories, workshops, mine sites, sports clubs and office buildings.

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 - 16 Ω) 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.

Tape output sockets are provided for recording purposes or feeding into additional power amplifiers. Remote volume available when A 4373 Digital volume control module fitted internally and external A 2280B wall plate or 1K Ω potentiometer connected. Alert and Evacuation tones (conforming to AS1607.4) along with chime tones and voice over message option available when optional A 4573 fitted.

Key Features

- Multi-stage thermally cued fan cooling
- 3 mic / 4 aux 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 operation
- Thermal & fuse overload protection
- Built in short circuit protection

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.

A 4377A - Phase5 Public Address Mixer Amplifier 125W Input



Rear Panel

- | | | | | | |
|---|--------------------------|---|------------------|---|---------------------|
| 1 | 240V AC Input | 4 | Inputs 1-3 | 7 | 24VDC IN |
| 2 | Output Connections | 5 | Tape Out | 8 | DC Resettable fuses |
| 3 | Optional Alert Generator | 6 | Optional Plug-in | | |

Specifications

Electrical	
Power	125 Watts RMS
Distortion	<0.5%, @ 1kHz
Frequency response	50Hz - 15kHz, -3dB
Output line	100V
Input sensitivity	500mV balanced 1V line input 3mV mic input
Signal to noise ratio	> 75dB below rated output
Outout Connection	Screw terminals (speakers)
24V DC Output	Screw terminals
Inputs	3 pin XLR balanced or 2 x RCA
Muting	PTT via microphone switch contacts VOX muting
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	300mA Standby, 9.6A Full @ 24V DC
Protection	5A AC, 10A DC fuse
Power supply	240V AC or 24V DC (nominal)
Controls	
Volume 1	Controls line 1
Power	On/Off switch
Mechanical	
Dimensions	≈ 483W x 300D x 88H mm
Weight	≈ 11.0kg

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.