

A 4047 - Phase5 100 Watt 100V Public Address Amplifier



Overview

Designed to meet the requirements of medium sized professional public address installations, delivering an output power of 100W RMS. Frequency response extends from 60Hz to 15kHz at a total harmonic distortion (THD) of less than 0.5%. Features include, VOX muting, three balanced XLR microphone inputs, three line RCA inputs, bass and treble controls, enabling a diversity of installation applications, including schools, public halls, workshops and sporting complexes. Inbuilt VOX muting allows input 1 (mic or line) to mute inputs 2-3 and input 2 (mic or line) to mute input 3.

Powered from 240V AC mains or 24V DC permitting battery backup operation during mains power failure. Output is 100V line only. All units feature thermal overload shutdown to protect the amplifier if a speaker fault condition develops.

A 4573 Alert/evac option board

When fitted, generates pre chime, bell, alert and evacuation tones. The alert tone can function continuously, or switch to evac tone after a preset time delay (adjustable 30 seconds to 4.5 minutes). Simply connects to the amplifier internally via the cable provided.

A 4373 Digital remote volume option board

When fitted and used in conjunction with A 2280B wallplate to provide remote volume level adjustment. Ideal for situations where the amplifier is located in a remote rack.

About Redback® PA Products

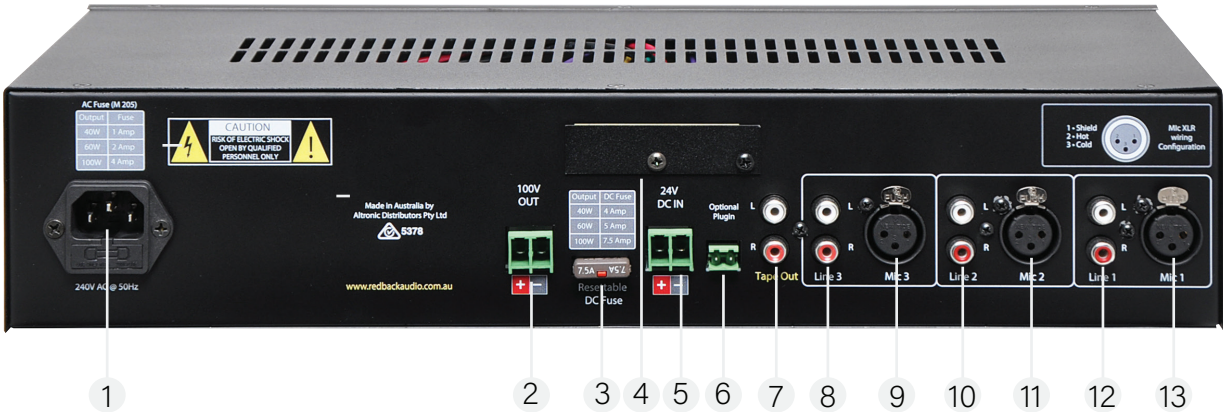
Since 1974 Redback® products have been proudly designed, engineered and manufactured in Australia.

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.

Key Features

- Australian made
- 10 year manufacturer warranty with local support
- 3 balanced microphone inputs
- Phantom power on mic inputs
- 3 line inputs
- 19" rack mount kit included
- VOX muting
- Tape output RCA sockets
- Bass and treble tone controls
- 100V line output
- 240V AC or 24V DC operation
- Built in short circuit protection
- Optional evac module available
- Optional remote volume module

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Rear Panel

- | | | | |
|-------------------------|-----------------------|------------------------------|-------------------------------|
| 1 240V AC input | 5 24V DC input | 8 RCA stereo input (line 3) | 11 XLR 3 pin balanced (mic 2) |
| 2 100V line terminals | 6 Remote volume input | 9 XLR 3 pin balanced (mic 3) | 12 RCA stereo input (line 1) |
| 3 DC blade fuse | 7 RCA stereo tape out | 10 RCA stereo input (line 2) | 13 XLR 3 pin balanced (mic 1) |
| 4 A 4573 expansion port | | | |

Specifications

Electrical		Controls	
Power Output	100W RMS	Mic inputs	Volume
Distortion	<0.5% @ 1kHz	Line inputs	Volume
Signal to noise ratio	Typically 75dB below rated output. All	Bass	±10dB @ 100Hz
Mic inputs	inputs	Treble	±13dB @ 10kHz
Line inputs	50Hz - 10kHz, -3dB	Power	On/off switch
Output line	60Hz - 15kHz, -3dB	Indicators	Power, Overload
Mic 1-3	100V		
Line input 1	3mV	Mechanical	
Current draw	-3: 300mV	Weight	9kg
Protection	220mA Standby, 7A Full @ 24V DC	Dimensions	423W x 225D x 88H mm
Power supply	4A AC fuse and 8A DC fuse		
	240V AC or 24V DC		

Connectors		Connections	
Speakers	Screw terminals	Inputs	Mic 1-3
Mic 1-3	3 pin XLR balanced		Line 1-3
Line input 1-3	RCA stereo socket		3 pin XLR fem. (balanced)
24V DC power	Screw terminals		Stereo RCA
240V AC power	IEC power connector	Outputs	Speakers
VOX muting	60dB below rated output		Tape Out
Remote volume	Screw terminal		Screw terminals for 100V line
			Stereo RCA