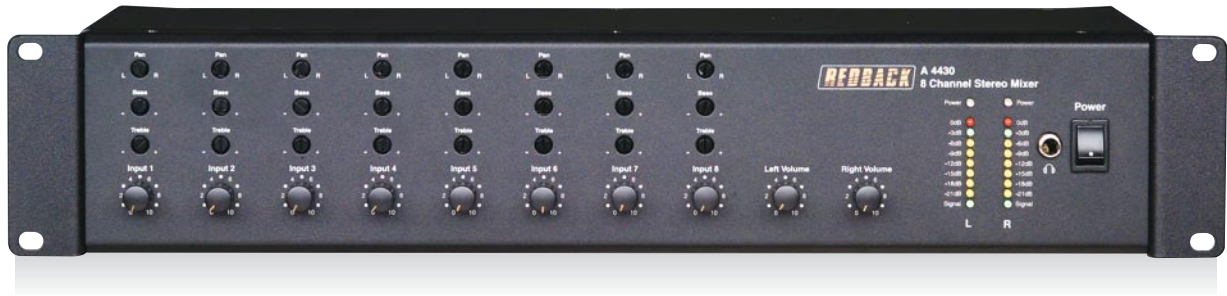


Product Guide**A 4430** 8 Channel Stereo/Mono Mixer With Bass, Treble & Pan Controls**A 4430** 8 Channel Stereo/Mono Mixer With Bass, Treble & Pan**Overview**

This Redback® mono/stereo mixer includes an array of features rivalling imported pro sound mixers costing up to twice the price. Inputs 1-6 can be configured to balanced microphone or line input as desired. XLR and dual RCA sockets are provided for each input. Inputs 7 & 8 are dedicated stereo line inputs provided with dual RCA sockets. Inputs 1-6 include an individual 4 way dip switch enabling selection of phantom power on/off, mic/line input, 100mV/1V sensitivity and vox muting. Each input has its own independent output via a 600Ω/0dBm balanced XLR socket. In addition the mixer has both a left and right 600Ω/0dBm balanced output bus via 3 pin XLR sockets. Inputs can feed either their own direct output, or the mixed left and right output bus, or both.

The front panel includes volume, tamper resistant treble, bass and pan controls for each input channel. The pan control affects the amount of signal that is delivered to the left and right outputs in a similar fashion to a balance control.

High Performance

Frequency response extends from 40Hz to 10kHz at a total harmonic distortion (THD) of less than 0.5%. Output may be 100V line or low impedance (8 - 16Ω) speaker loads.

VOX Muting Functionality

3 levels of priority paging/muting: Input 1 Priority 1 – mutes inputs 2 to 8, Input 2 Priority 2 – mutes inputs 3 to 8, Input 3 Priority 3 – mutes inputs 4 to 8.

Tape Output Connection

This is a mono output configured for a stereo lead allowing direct connection to a stereo source. This may be connected to an auxiliary input on external equipment. It is also suitable for driving 600Ω loads.

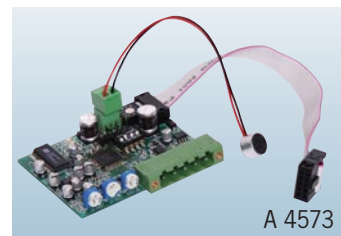
About Redback® Public Address Products

Redback® mixers 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 30 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

- ✓ 3 Priority level VOX muting
- ✓ Separate treble, bass & pan for each input
- ✓ 2U rack mount
- ✓ 3 pin XLR balanced mic inputs
- ✓ RCA line inputs
- ✓ RCA record output
- ✓ Variable mute level
- ✓ Selectable input priority
- ✓ Selectable mic or line input
- ✓ LED bar graph
- ✓ Headphone socket
- ✓ Signal presence LED
- ✓ 24V DC input
- ✓ 6 universal mic or line inputs, 2 stereo inputs
- ✓ Individual output for each input
- ✓ Australian designed & assembled

Optional A 4573 Alert & Evacuation Tone Generator

The A 4573 alert/evac tone generator may be fitted where alert, evacuation and emergency tones are required. When fitted the optional A 4573 assumes priority 2, muting inputs 3 to 8.

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A 4430 8 Channel Stereo/Mono Mixer With Bass, Treble & Pan Controls



Rear Panel



1	240V AC input	4	RCA stereo tape output	7	DIP switch configures Inputs
2	XLR 3 pin balanced (Master Output)	5	VOX muting sensitivity adjust	8	RCA Stereo input
3	24V DC Input	6	XLR 3 pin balanced stereo output	9	XLR 3 pin balanced mic input

Specifications

Electrical

Input 1-6:	6 mic - balanced 200-600Ω or 6 line - unbalanced 100kΩ
Input 7-8:	2 line unbalanced 100kΩ
Output:	600Ω balanced 0dBm
Distortion:	less than 0.3%
Frequency Response:	Mic 30Hz - 15kHz, Line 18Hz - 23kHz
Signal to Noise Ratio:	All controls min. -98dB
Sensitivity:	Mic 1.25mV, Line 100mV-1V
Phantom Power:	Nominal 12V DC
Output Connectors:	3 pin XLR balanced
Mic Inputs:	3 pin XLR balanced
Line Inputs:	RCA stereo sockets

Controls

Mic and Line inputs:	Volume
Bass:	±10dB @ 100Hz
Treble:	±13dB @ 10kHz
Master:	Volume
Indicators:	Power on LED, VU meter
Power Supply:	240V AC or 24V DC (via 2.1mm DC socket)
Protection:	0.5A fuse

Mechanical

Dimensions:	482W x 152D x 88H mm
Weight:	≈3.0kg

Connections

Inputs	Mic 1-6	Line 1-8	Line 1, 2 & 3
	3 pin XLR fem. (balanced)	Stereo RCA	Stereo RCA
Outputs	Line 1-6	Line 7-8	Tape Out
	3 pin XLR male (balanced)	Stereo 3 pin XLR male (balanced)	Stereo RCA

Architect Specifications

The mixer shall have 6 universal input channels, 6 individual outputs and two mixed outputs. Each input consists of a 3 pin balanced XLR microphone socket and dual RCA line sockets. Each output consists of a balanced 3 pin XLR socket. Additionally, the unit shall have 2 dedicated stereo line inputs consisting of RCA sockets. Each universal channel (1 to 6) shall be equipped with a rear panel mounted DIP switch which shall enable selection of microphone or line input; phantom power on / off; line input sensitivity of 100mV or 1V; priority on / off (inputs 1-3 only). The priority function shall be that, when selected on, input 1 shall mute inputs 2 - 8, input 2 shall mute inputs 3 - 8, and input 3 shall mute inputs 4-8. The signal from each input can be internally configured to be directed to its own dedicated 3 pin XLR output (to feed individual amplifiers or for individual recording purposes) or to the 2 mixed (left and right) 3 pin XLR outputs. Frequency response shall be 30Hz - 15 kHz (-3dB) for microphone inputs and 18Hz - 23 kHz (-3dB) for line inputs. Distortion levels shall be less than 0.3% at any input. Signal to noise ratio shall be -98dB with all controls set at minimum.

The unit shall have separate volume controls for each input channel and master output level controls for each (left and right) output channel. Each input channel shall have individual tone controls which shall provide 10dB cut or boost at 100Hz and 10dB cut or boost at 10 kHz. Each input channel shall have a pan (balance) control. When this pan control is "centred" the signal is directed equally to the "left" and "right" outputs respectively. If the control is "panned" to the left, the signal will be directed to the left output only. Conversely if it is "panned" right, the signal will be directed to the right output only. The unit shall have, for each output channel, a LED bargraph VU meter display on the front panel.

The mixer shall be capable of being fitted with an alert, evacuation chime generator module. When activated it will assume priority two.

The unit shall operate from 240V AC or 24V DC and will be fuse protected. Power indication for each output channel shall be provided by front panel mounted LEDs.

The mixer shall have, for each output channel, a 600 ohm / 0dBm XLR balanced and dual RCA tape outputs. A stereo headphone socket shall be provided on the front panel.

The unit shall be housed in a high quality 2RU metal chassis suitable for rack mounting. The stereo / mono mixer shall be a REDBACK model A 4430.