Product Guide
A 5131 4 Channel Mixer With Selectable Priority

REDBACK®

A 5131 4 Channel Mixer With Selectable Priority

Overview

This four channel mixer features 4 balanced mic inputs and 3 line inputs. Input 1 is a dedicated balanced mic input whilst inputs 2 - 4 can accept either balanced mic or line level. Microphone connections are via 5 way pluggable euro block and line connections are via stereo RCA socket (converted to mono internally). Two outputs are provided, one for balanced output (level selectable 3mV or 1V) and one for line level.

Inputs and Outputs

Microphone inputs consist of a 5 way Euro block and auxiliary inputs consist of a stereo RCA socket (converted to mono internally). 2 output sockets are available; either balanced microphone 3mV or line level 1V via 3 way Euro block. And auxiliary level via Stereo RCA sockets.

Priority

The mixer has 3 modes of priority selectable via the DIP switch on the rear panel. They are cascade, first In best dressed (FIBD) and none.

1. Cascade

Input 1 overrides 2-4
Input 2 overrides 3-4
Input 3 overrides 4
In this mode, input one will override all other inputs even if they are in use. The same applies for input 2 over 3-4 etc.

2. FIBD

Regardless of which input is being used, it automatically blocks out all other inputs. ie If input 4 is being used and input 1 tries to operate, it is locked out.

3. None

No priority therefore all inputs will be mixed as per a normal mixer.

Muting

The system can be configured for PTT muting which operates only with microphone inputs, or VOX muting which operates with both microphone and auxiliary inputs. This function is switch selectable via the rear panel DIP switch.

Key Features

✓ **Australian made**
✓ **10 year manufacturer warranty with local product support**
✓ 4 balanced microphone / 3 auxiliary inputs
✓ 3 modes of priority Cascade, FIBD, None
✓ VOX or PTT muting
✓ VOX muting on both mic and aux inputs
✓ System busy indicators
✓ 24V DC operation via 2.1mm DC Jack
✓ Easy to set up and operate
✓ Separate volume controls for each input
✓ Adjustable VOX sensitivity for each input
✓ Australian designed & assembled
✓ 1/2 width 1RU 19" rack mount

About Redback® Public Address Mixers

Redback® mixers are proudly designed, engineered and manufactured in Australia.
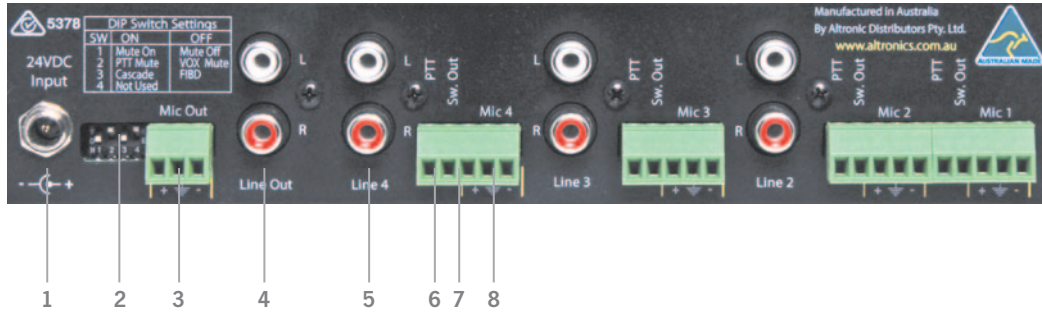
Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 30 years experience in the commercial sound industry. Redback® offer locally available servicing and parts, plus the ability to offer feedback direct to the manufacturer.

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Rear Panel

1	12-24V DC input
2	DIP switch input settings
3	Balanced mic output
4	RCA stereo line output

5	RCA stereo line (input 4)
6	PTT terminal
7	PTT switch output terminal
8	Balanced input (mic 4)

Specifications

Electrical

Distortion:	< 0.3%
Output line:	RCA stereo line, balanced mic
Signal to noise ratio	Typically 75dB below rated output.
Frequency response mic :	30Hz - 15kHz, -3dB
Frequency response line:	18Hz - 23kHz, -3dB
Mic sensitivity:	1.25mV balanced
Line inputs sensitivity:	250mV
24V DC power:	2.1mm DC socket
Power supply:	24V DC
Muting:	PTT and VOX via microphone (-74dB)
Indicators:	Power, Cascade, FIBD, PTT, Mixed, VOX

Controls

Volume 1:	Controls mic 1
Volume 2:	Controls mic 2 / line 2
Volume 3:	Controls mic 3 / line 3
Volume 4:	Controls mic 4 / line 4

Mechanical

Dimensions:	210W x 103D x 44H mm
Weight:	≈0.7kg

Connections

Inputs	Mic 1-4	Line 2-4
	3 pin screw terminal (balanced)	Stereo RCA

Outputs	Line Out	Mic Out
	Stereo RCA	3 pin screw terminal (balanced)