

Operating Manual A 4424 6 Input, 2 Output Mixer

User manual revision number: 1.0 28/11/2023

IMPORTANT NOTE:

Please read these instructions carefully from front to back prior to installation.
They include important setup instructions.
Failure to follow these instructions may prevent the unit from working as designed.

Redback® A 4424 6 Input, 2 Output Mixer

1.0 INTRODUCTION

New to the Redback mixer stable, this model incorporates six inputs which can be routed to 1 of 2 outputs or both as the installation requires.

Inputs can be configured for either RCA line level signals (mono mixed internally) or 3 pin XLR balanced mic signals. Phantom power (12V DC) is available for all XLR inputs.

Outputs are via RCA and 3 pin XLR balanced 1V signals.

Front panel controls including volume, treble and bass are included for each input. Independent master volume controls are provided for each output. Pushbutton switches are provided to enable inputs to be switched to either output 1, output 2 or both outputs 1 and 2.

DIP switches allow for each inputs sensitivity to be set to 100mV or 1V, phantom power to be set on/off, and choice of RCA or XLR connection for that chosen input.

2.0 FEATURES

- 6 microphone/ 6 line inputs (mono mixed internally)
- 2 outputs via XLR/RCA 1V balanced
- Level controls for all inputs
- Separate bass and treble controls on all inputs
- Adjustable input sensitivity on all RCA line inputs
- Phantom power selection on Mic inputs (12V DC)
- Route signals to each outputs or both outputs
- 24V DC input
- 24V DC battery back up terminals
- 1RU 19" rack mount case
- 10 Year Warranty
- Australian designed & assembled

3.0 FRONT PANEL GUIDE

Fig 1 shows the layout of the A 4424 front panel.

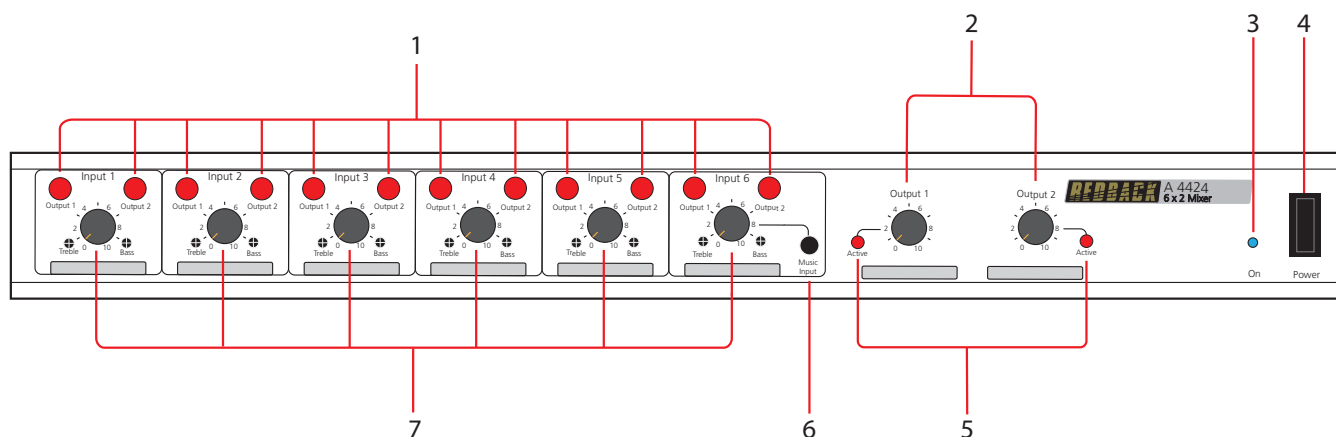


Fig 1

- 1 Channel Output Selector**
Use these switches to enable inputs to be switched to either output 1, output 2 or both.
- 2 Output Volume controls**
Use this control to adjust the volumes of output 1 and output 2.
- 3 On Indicator**
This led indicates when the unit has power.
- 4 Power Switch**
Use this switch to turn the unit on.
- 5 Active LED's**
These LED's indicate when an audio signal is present at the outputs.
- 6 Music Input**
Connect a portable device such as a mobile phone/tablet to this Music Input. This will override input 6 when being used.
- 7 Volume controls**
Use these controls to adjust the volumes and bass and treble of the inputs.

4.0 REAR PANEL CONNECTIONS

Fig 2 shows the layout of the A 4424 rear panel.

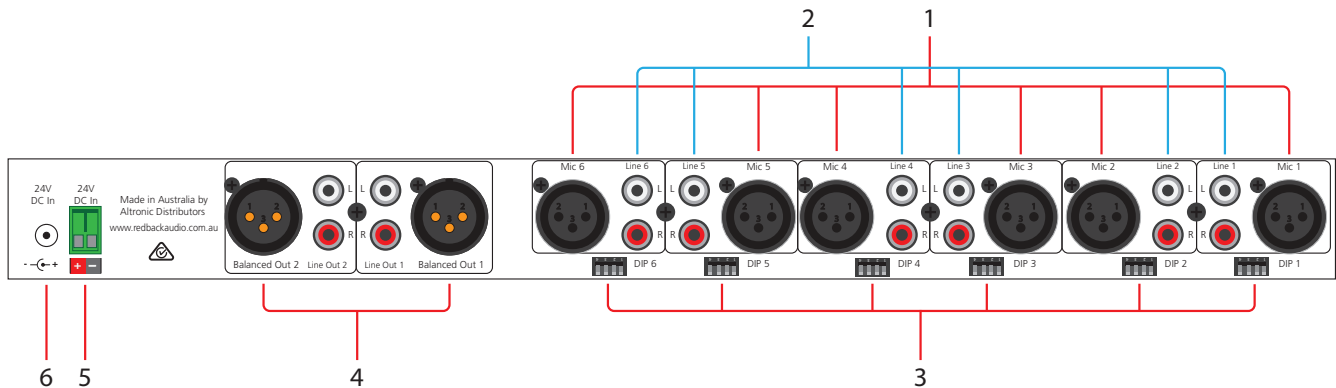


Fig 2

1 Microphone Inputs 1 - 6

There are six microphone inputs which all incorporate a 3 pin balanced XLR. Phantom power (12V DC) is available at each Mic input.

2 RCA Inputs 1 - 6

The line inputs are dual RCA connectors which are internally mixed to produce a mono input signal. The input sensitivity of these inputs can be adjusted to 100mV or 1V via the DIP switches DIP1 - DIP6 (refer to DIP switch settings).

3 Dip Switches DIP1 - DIP6

These switches enable various options for the inputs including input sensitivity, mic or line operation or phantom power activation on the XLR mic inputs. Refer to DIP switch settings.

4 Outputs

XLR balanced outputs (600Ω) and line level RCA connectors are provided for outputs 1 and 2. Connect these to the zone amplifiers or mixers.

5 24V DC Input (Backup)

Connects to a 24V DC backup supply with at least 1 amp current capacity. (Please observe the polarity)

6 24V DC input

Connects to a 24V DC Plugpack with 2.1mm Jack (supplied).

5.0 DIP SWITCH SETTINGS

The A 4424 has 6 sets of DIP switches. These switches set the inputs as either Mic or Line, sets the Line Input level sensitivities, and enables phantom power to the XLR mic inputs.

(Note: DIP switches are on in the UP position)

DIP 1

Switch 1 - Input 1 Select: OFF - Mic, ON - Line

Switch 2 - Sets Line 1 input sensitivity to either ON - 1V or OFF - 100mV.

Switch 3 - Not Used.

Switch 4 - ON - Enables Phantom power to the Mic1 input.

DIP 2

Switch 1 - Input 2 Select: OFF - Mic, ON - Line

Switch 2 - Sets Line 2 input sensitivity to either ON - 1V or OFF - 100mV.

Switch 3 - Not Used.

Switch 4 - ON - Enables Phantom power to the Mic2 input.

DIP 3

Switch 1 - Input 3 Select: OFF - Mic, ON - Line

Switch 2 - Sets Line 3 input sensitivity to either ON - 1V or OFF - 100mV.

Switch 3 - Not Used.

Switch 4 - ON - Enables Phantom power to the Mic3 input.

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DIP 4

Switch 1 - Input 4 Select: OFF - Mic, ON - Line

Switch 2 - Sets Line 4 input sensitivity to either ON - 1V or OFF - 100mV.

Switch 3 - Not Used.

Switch 4 - ON - Enables Phantom power to the Mic4 input.

DIP 5

Switch 1 - Input 5 Select: OFF - Mic, ON - Line

Switch 2 - Sets Line 5 input sensitivity to either ON - 1V or OFF - 100mV.

Switch 3 - Not Used.

Switch 4 - ON - Enables Phantom power to the Mic5 input.

DIP 6

Switch 1 - Input 6 Select: OFF - Mic, ON - Line

Switch 2 - Sets Line 6 input sensitivity to either ON - 1V or OFF - 100mV.

Switch 3 - Not Used.

Switch 4 - ON - Enables Phantom power to the Mic6 input.

6.0 SPECIFICATIONS

OUTPUT LEVEL:.....0dBm

DISTORTION:.....0.01%

FREQ. RESPONSE:.....140Hz - 20kHz

SENSITIVITY

Mic inputs:3mV balanced

Line inputs:.....100mV/1V

OUTPUT CONNECTORS

..... RCA Line out (mono) or 3 pin XLR balanced

INPUT CONNECTORS

Mic Inputs:3 pin XLR Line

Inputs: Dual RCA

..... 3.5mm stereo jack front panel

24V DC power:Screw terminals

24V DC Power:2.1mm DC Jack

CONTROLS:

Power:.....Standby Switch

Bass:.....±10dB @ 100Hz

Treble:.....±10dB @ 10kHz

Output 1 and 2:Volume

INDICATORS:.....Power on, Signal Present

POWER SUPPLY:..... 24V DC

DIMENSIONS:≈..... 482W x 175D x 44H

WEIGHT: ≈..... 2.1 kg

COLOUR:Black

* Specifications subject to change without notice