

A 4450 4x4 Audio Source Mixer Switch



Overview

The A4450 master unit can be configured to operate as either a 4x4 Matrix, allowing any combination of inputs to be selected to an output, or as a Switcher, enabling only one input to be selected to an output at any time. This is set by the installer via a DIP switch on the rear panel. Note: it cannot be configured to work as both. It is set as either a matrix, or switcher. Any connected wallplates will automatically be set to suit the master unit.

Feature packed yet simple to set up and use, this mixer pairs with easy to use wallplate controllers and paging consoles. With 4 inputs selectable to up to 4 zones it is ideally suited to gyms, cafes, restaurants, small clubs and function centres. Designed with end users in mind, this complete audio source controller provides source selection, and level control from remotely located wallplate controllers located up to 200m from the main unit. The controller offers a visual indication of which input is selected to which output on the front panel LCD and illuminated controls.

The A 4450 accepts both balanced mic (pluggable screw terminals) and line level signals (stereo RCA) for four audio sources, and switches them to matching individual output zones. Any or all inputs can be switched to any and all output zones.

For added convenience all inputs and output zones can be labelled for display on the LCD (Either by a Master Wallplate/ paging console or by accessing the micro SD card located in the rear of the A 4450). This allows users to quickly see the source playing in each output zone.

Features

- Australian made
- 10 year manufacturer warranty with local product support
- 4 mic/line inputs to 4 zones
- Operates as a matrix mixer or source switcher
- Touchscreen & iOS/Android app control
- RS-485 control via rear panel serial adapter connection
- Adjustable aux level 100mV/1V
- Adjustable balanced mic/line level 3mV/0.7V
- LCD for easy selection of sources to zones
- System cabling via Cat5e UTP.
- Zone and input custom labelling
- Adjustable volume for each input to output selection
- Master & zone source selection wallplates
- 24V DC operation

About Redback® PA Products

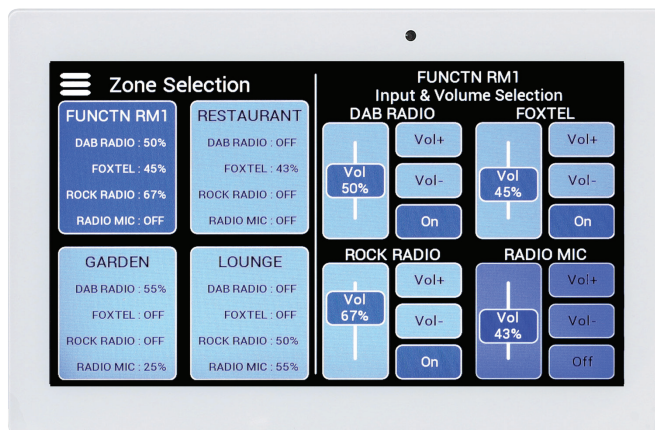
Redback® products are proudly designed, engineered and manufactured in Australia.

Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 50 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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A 4464



A 4463



A 4660

Wallplates & Paging Operation

When connected to the A 4450, the optional A 4461 and A 4463 master selector wallplates enable full control of the whole system, including selection of input sources, level control in each zone, level control of input sources and labelling of inputs and output zones. Multiple inputs can be selected/mixed to a zone and the volume level of each input can be adjusted up or down, independently of other inputs.

Smaller optional zone wallplates A4462 and A 4464 provide control of source selection, and level control within a single zone only. It is recommended that at least one master wallplate is used when zone wall plates are required, as the zone wallplates provide only limited functionality.

A total of 8 remote wall plates and 2 paging consoles can be used on the system. A maximum of 2 plates per cable run in parallel or chained via an extension connector on the rear of each plate (Each optional zone, master wallplate or paging console MUST have a unique ID). These plates and paging consoles can be wired back to the A 4450 using Cat5/6 UTP cabling.

A Bluetooth Control APP is under development which will provide control of the optional wallplates. This will allow for adjustment of input sources and level control only. Bluetooth Audio streaming is NOT available on this product.

The optional A 4660 paging console provides paging to any or all output zones, has pre and post chime functions, and can record announcements for quick recall and playback when required. It also includes master control functionality, so it could be used in lieu of a master wall plate.

If required, the system can be controlled using standard RS-232 control codes for third party control systems.

System Components

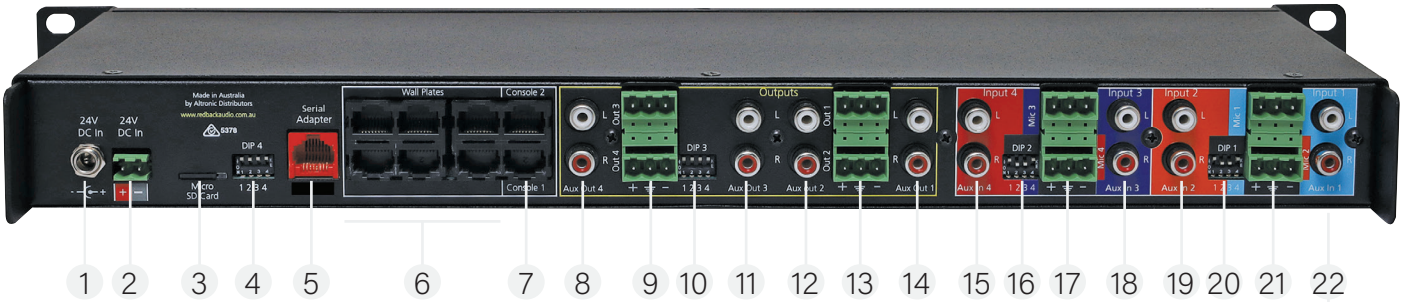
A 4450	4X4 Matrix Controller
A 4461	Master 7" Wallplate Black
A 4462	Zone 4.3" Wallplate Black
A 4463	Master 7" Wallplate White
A 4464	Zone 4.3" Wallplate White
A 4660	7" LCD Paging Console Black
A 4661	7" LCD Paging Console White

Mixers & Signal Processing

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Rear Panel



- 1

24V AC input
- 2

24V DC input (battery backup)
- 3

Micro SD card slot
- 4

DIP 4 switch (matrix/selector setting)
- 5

RJ45 RS232 serial control port
- 6

Wall plate RJ45 connections
- 7

Paging console connections
- 8

Stereo RCA aux 4 output
- 9

Balanced output 3 & 4 terminals
- 10

DIP 3 switch (input sensitivity settings)
- 11

Stereo RCA aux 3 output
- 12

Stereo RCA aux 2 output
- 13

Balanced output 3 & 4 terminals
- 14

Stereo RCA aux 1 output
- 15

Stereo RCA aux 2 output
- 16

DIP 2 switch (input sensitivity settings)
- 17

Balanced input 3 & 4 terminals
- 18

Stereo RCA aux 3 input
- 19

Stereo RCA aux 2 input
- 20

DIP 1 switch (input sensitivity settings)
- 21

Balanced input 1 & 2 terminals
- 22

Stereo RCA aux 1 input

Specifications

Electrical	
Distortion	0.01%
Frequency Response	140Hz-20kHz
Mic Input Sensitivity	3mV-0.7 balanced
Line Inputs	100mV-1V
Output Sensitivity	100mV-1V
Controls	
Input Selectors	Switch
Power	Power/standby switch
Volume	Front panel knob
Indicators	Power on, signal present, VU meter
Connectors	
Balanced output	3 pin euro connectors
Auxiliary output	2 x RCA
Input	3 pin euro connectors or 2 x RCA
24V DC power	Screw terminals
24V DC power	2.1mm DC Jack

Wall Plates & Paging Console	
Output Connection	2 x RJ45 8P8C
Data Transmission	Cat5e cabling max 30m
Mechanical	
Power	24V DC
Dimensions	482W x 125D x 44H mm
Weight	2.1kg