



Z624

ZONING ● PAGING ● REMOTES



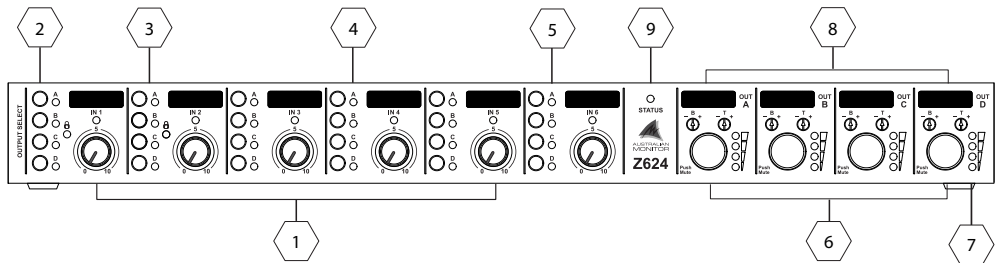
SCAN TO DOWNLOAD FULL MANUAL

QUICK START GUIDE

This quick start guide provides a brief overview of the key features of the Z624 system.

A full manual can be downloaded from: www.australianmonitor.com.au/collections/z624-system

FRONT PANEL



1 INPUT VOLUME CONTROL

Turn the knob clockwise to increase the level of the corresponding channel.

2 ZONE SELECTION

Push buttons to route the input to the respective output zone.

3 INPUT 1 & 2 LOCK STATUS

Indicator showing if input 1 or 2 has been locked via the back panel.

4 INPUT 1-5 STATUS LEDs

The LED indicates the status of the input
Green = Signal present
Red = Input signal clipped

5 OUTPUT VOLUME ADJUSTMENT

Turn the knob to adjust the output volume for each zone. Push knob to mute the zone.

6 INPUT 6 LEDS

The LED will indicate green if the input 6 is routed to the zone output.
The LED will indicate yellow if the local audio input is routed to the zone output instead of Input 6.

7 OUTPUT LEVEL INDICATORS

These LEDs indicate the output volume level. Bottom LED will flash when the zone is muted. Top LED will turn red when output clipped.

• **Note: If WP4R or WP10 wall controllers are used their LED indicators with track the output level indicators.**

8 TONE CONTROL

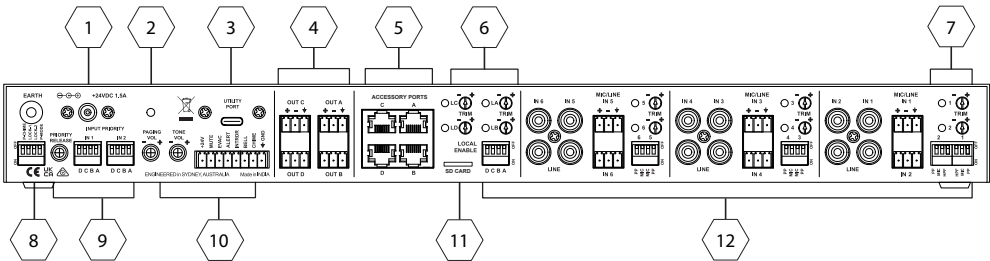
Use to adjust the Bass and Treble for each zone.
Bass 100Hz ± 12 dB
Treble 10kHz ± 12 dB

9 SYSTEM STATUS LED

This LED will illuminate indicating that the Z624 is on and receiving power.

Revision 1.0 Oct 2024

REAR PANEL



1 POWER INPUT CONNECTOR

The Z624 is powered via a 24VDC 1.5A universal power adaptor. The power adaptor is included with your Z624 mixer. The DC input accepts a 5.5/2.1mm plug with tip positive and ring negative connection.

2 PAGING VOLUME

Turn the knob to adjust the global paging volume from the optional Z624PS paging station.

❖ **Note: Offsets for each zone can be set using the configuration software.**

3 USB-C CONFIG PORT

Connect to a PC using a USB-C cable to perform advanced setup of the Z624 via the configuration software. Firmware updates can also be performed using this port.

4 ZONE OUTPUTS

The Z624 has 4 mono balanced line level outputs. Balanced male 3-pin (3.81mm) euroblock connector. Post-Master volume.

5 ACCESSORY PORTS

Allows connection of up to 2 x wall panel controllers and 2 audio wall panel per port. One Z624PS paging station can also be connected to any accessory port instead of 1 audio wall panel. See full Z624 manual for accessory setup and wiring instructions.

6 LOCAL INPUT ADJUSTMENT

Accessory port audio input which replaces Input 6 for the corresponding zone when enabled. The level can be adjusted using the TRIM pots and an LED indicates signal presence.

Note: Local inputs are locked to the corresponding output zone. See full Z624 manual for installation instructions.

7 MIC/LINE INPUT SETTINGS

Each of the 6 MIC/LINE inputs has a trim pot that allows the level to be adjusted from -15dB to +13dB. DIP switches allow setting of the balanced euroblock inputs

MIC or LINE level	24V Phantom Power
ON = MIC level	ON = enabled
OFF = Line level	OFF = disabled

High Pass Filter (HPF) (Input 1 & 2 only)

ON = Filter enabled (75Hz, 12dB/oct)
OFF = Filter disabled

8 CHIME, LOCK AND PRIORITY MODE

4 DIP switches. DOWN is ON and UP is OFF
P-CHIME: Enables or disables the pre-chime when making paging announcements

LOCK-1: Locks Input 1 volume and source selection controls

LOCK-2: Locks Input 2 volume and source selection controls

P-MODE: Modifies how the priority mode functions.

OFF = Input 1 then Input 2
ON = Input 1 AND Input 2 (mix)

9 INPUT 1 and 2 PRIORITY

Turn ON to enable the input as a priority to the corresponding zone output. e.g When Input1 priority is selected on Zone A and B, if a signal is detected on Input1, it will mute inputs 2 to 6 in those output zones.

REAR PANEL CONT.

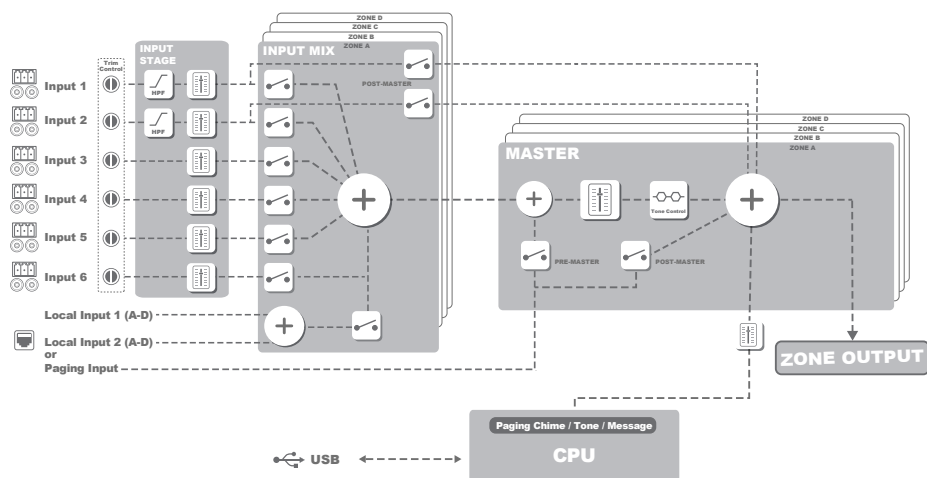
- 10** **TONE GENERATOR AND MUTING**
Connect any of the EVAC, ALERT, INTRUDER, BELL, CHIME inputs to the GND input to play the tone. Connect the MUTE input to GND to MUTE outputs from all zones.
The TONE VOLUME knob allows the audio level to be adjusted.

✦ **Note: Offset levels for each tone can be set using the configuration software.**

- 11** **SD CARD**
Input connector for a micro-SD CARD which can override the built in tones and/or play custom tones/messages from wall control panels. Maximum density 2TB. Maximum File Size 4GB, FAT32 file system. WAV format only. See full Z624 manual for tone overriding and custom messages.

- 12** **MIC/LINE INPUTS 1 – 6**
Euroblock MIC/Line Balanced Input, A balanced male 3-pin (3.81mm) connector is provided on each input. A standard stereo RCA female socket is also provided for each input. The RCA is summed to mono inside the Z624.

BLOCK DIAGRAM



Z624 CONFIGURATION SOFTWARE

The Z624 comes with a free downloadable PC application to allow advanced configuration of the system. The software is available from www.australianmonitor.com.au and can be accessed from the PC over USB.

Key features of the software include:

- Rear panel setup
- Advanced audio configuration
- Custom wall panel setup



WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THE PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT & FULLY INSERT.

CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

WARNING

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



For European Union countries: This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. Please contact your local authority for further details of your nearest designated collection point.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. This appliance must not be exposed to dripping or splashing water and no object filled with liquid such as vases shall be placed on the apparatus.
7. Do not block any ventilation openings.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. The unit is intended for indoor use. Do not use it outdoors.
10. The mains plug is used as the disconnect device from mains. It should be readily accessible at all times.
11. Only use attachments/accessories specified by the manufacturer.
12. Connect this unit to a mains outlet with a protective earth connection.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.