

DISCOVER THE ADVANTAGES OF THE **Z624 ZONING SOLUTION**



Z624

ZONING  PAGING  REMOTES



WHY BUY AUSTRALIAN MONITOR

It's been thirty years since a small, passionate team of AV specialists invested their own energy and money to pioneer the iconic Australian Monitor brand. Today, we have grown into a global leader, known for innovative, cost-effective AV products, that keep Australians entertained and informed in homes, schools, restaurants and theatres.

The innovation and passion that first ignited the brand is still alive today and is represented by Australian Monitor's engagement with the AV sector. Embedded in the industry, the team have a deep understanding of the requirements you and your end users demand. These insights influence their product development and service offerings to meet the most complex requirements, and to ensure you continue to trust their passion, product reliability and value for money solutions.

Australian Monitor is engineered in Australia by our team of in-house engineers and distributed worldwide through a network of key partners.



Z624

ZONING ● PAGING ● REMOTES



A Multi Zone Audio Mixer A Paging Solution With Front Panel & In-Zone Control

The Z624 solution provides a 6 Input to 4 Zone output mixing and paging solution featuring intuitive console style routing.

Optional wall panel accessories include 3 controller models, a Bluetooth receiver, and a mic/line level input.

A Z624PS paging station can also be included, providing zone or all call paging.

An optional PC application allows for advanced setup of the Z624 and customisation of wall panels.

WP4R



WP10



WPVOL



WPBT



WPML



Z624PS

Z624 CONTROL SOFTWARE



Z624



Customise according to your requirements

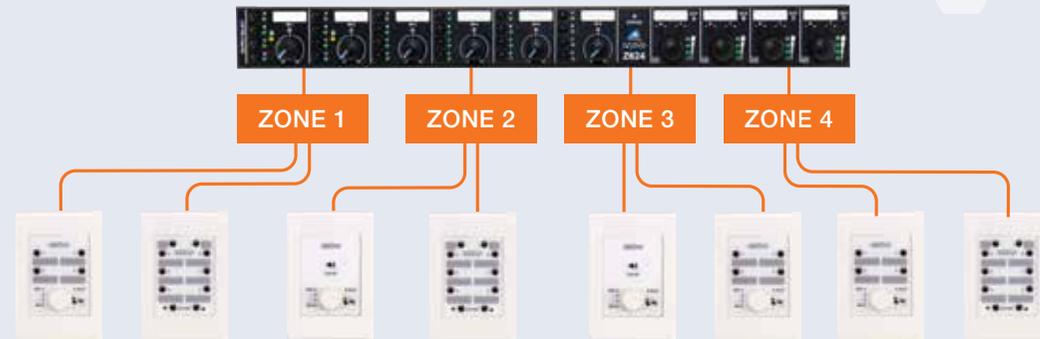
ZONING ONLY



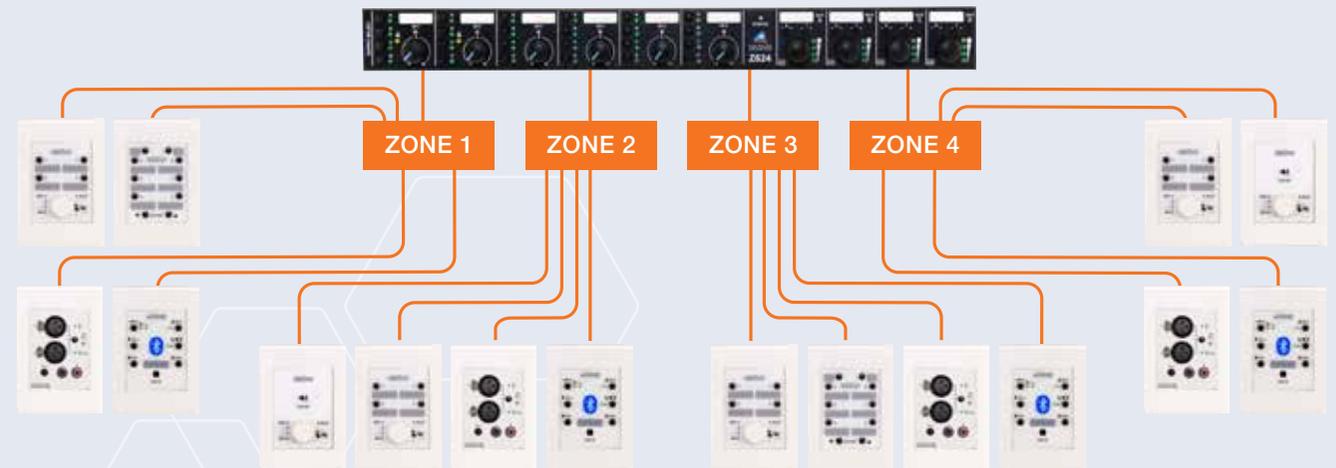
ZONING WITH CONTROL AND PAGING



ZONING WITH CONTROL



ZONING CONTROL AND LOCAL AUDIO INPUT



Z624 Features

ZONE OUTPUT SELECTION

OUTPUT ZONE BASS/ TREBLE CONTROL



MIC/LINE INPUT VOLUME CONTROL

OUTPUT ZONE LEVEL CONTROL & INDICATORS



PRIORITY

- Priority setting for inputs 1 & 2

ZONE OUTPUTS

- Z624 has 4 mono balanced line level outputs
- Level is controlled by front panel or wall controllers

TONES

- Built in Evac, Alert, Intruder, Bell and Chime tones
- Can be customised with the customer supplied micro SD card

ACCESSORY PORTS

- 4 accessory ports
- Connect Z624PS paging stations & wall panels
- Multiple accessories can be daisy chained from a single port
- Each port has a dedicated local audio input for the zone with trim control

MICRO SD CARD SLOT

- Custom messages & tones
- Override built in tone generator

INPUTS

- 6 mic or line inputs. Balanced XLR or unbalanced RCA
- Input trim control
- Switchable phantom power
- High pass filter on Input 1 & 2

Key Features

MIC
OR
LINE
Inputs

- 6 dual mic/line inputs can be mixed or matrixed to any output zone

Control

- Full front panel control with intuitive console style routing
- Adjust input and output volume levels

2 Channel

- 2 Channel Priority Input

Wall Panels

- Optional wall panels for in-zone input selection, volume control and message playback

Tone
Generator

- Built-in tone generator
- Tone customisation via SD card

Paging

- Z642PS Paging station
- Individual zone and all call paging

Message
Player

- Custom message player
- Files stored on customer supplied SD card

Z624 Configuration Software - PC Application

Software designed for complete control



- Offline configuration of system
- Advanced audio setup options
- Customise wall panel controls and operation

Accessories



WP4R ● ○

4 Button and Volume Control Knob

- 4 programmable buttons
- Volume control knob



WP10 ● ○

10 Button Control

- 10 programmable buttons



WPVOL ● ○

Volume Control

- Volume control knob
- Level indication & mute



WPBT ● ○

Bluetooth Receiver

- Bluetooth® 5.1 Receiver
- 3.5mm Aux input
- Bluetooth media controls
- Name, PIN & security features programmable via PC software



WPML ● ○

MIC/Line Input

- Stereo balanced XLR. Mic or Line
- 24V phantom power
- Stereo RCA
- 3.5mm Aux input
- Portrait or landscape



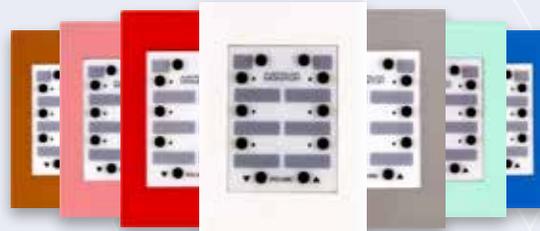
Z624PS ●

Paging Station

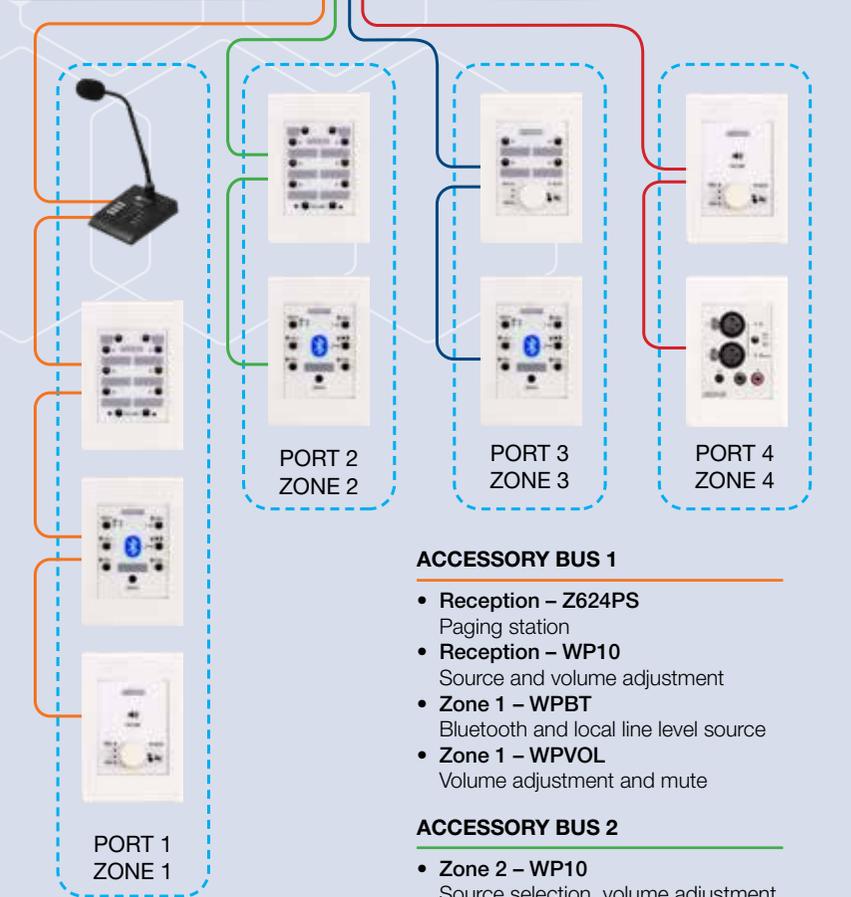
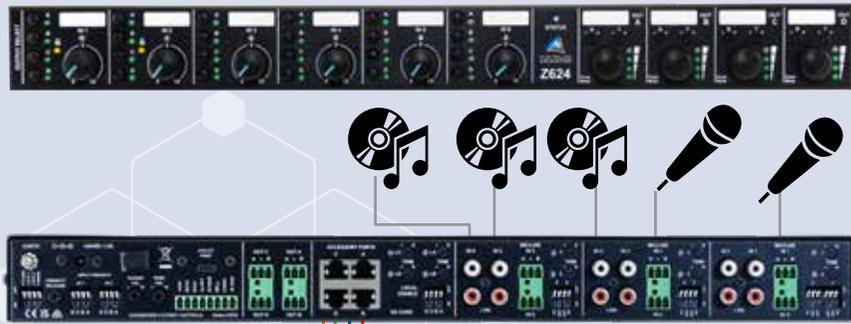
- 4 zone paging station with All Call

CUSTOMISE THE LOOK WITH HPM® VIVO™ COVER PLATES

| BASICS | METALLICS | NEUTRALS | POP | REFLECTIONS |
|--------|-----------|------------|------------|-------------|
| White | Silver | Light Grey | Bright Red | Rose Gold |
| Black | Graphite | Khaki | Pop Blue | Chrome |
| | Copper | Dark Grey | Pop Pink | |
| | | Mint | | |



Application Example



ACCESSORY BUS 1

- **Reception – Z624PS**
Paging station
- **Reception – WP10**
Source and volume adjustment
- **Zone 1 – WPBT**
Bluetooth and local line level source
- **Zone 1 – WPVOL**
Volume adjustment and mute

ACCESSORY BUS 2

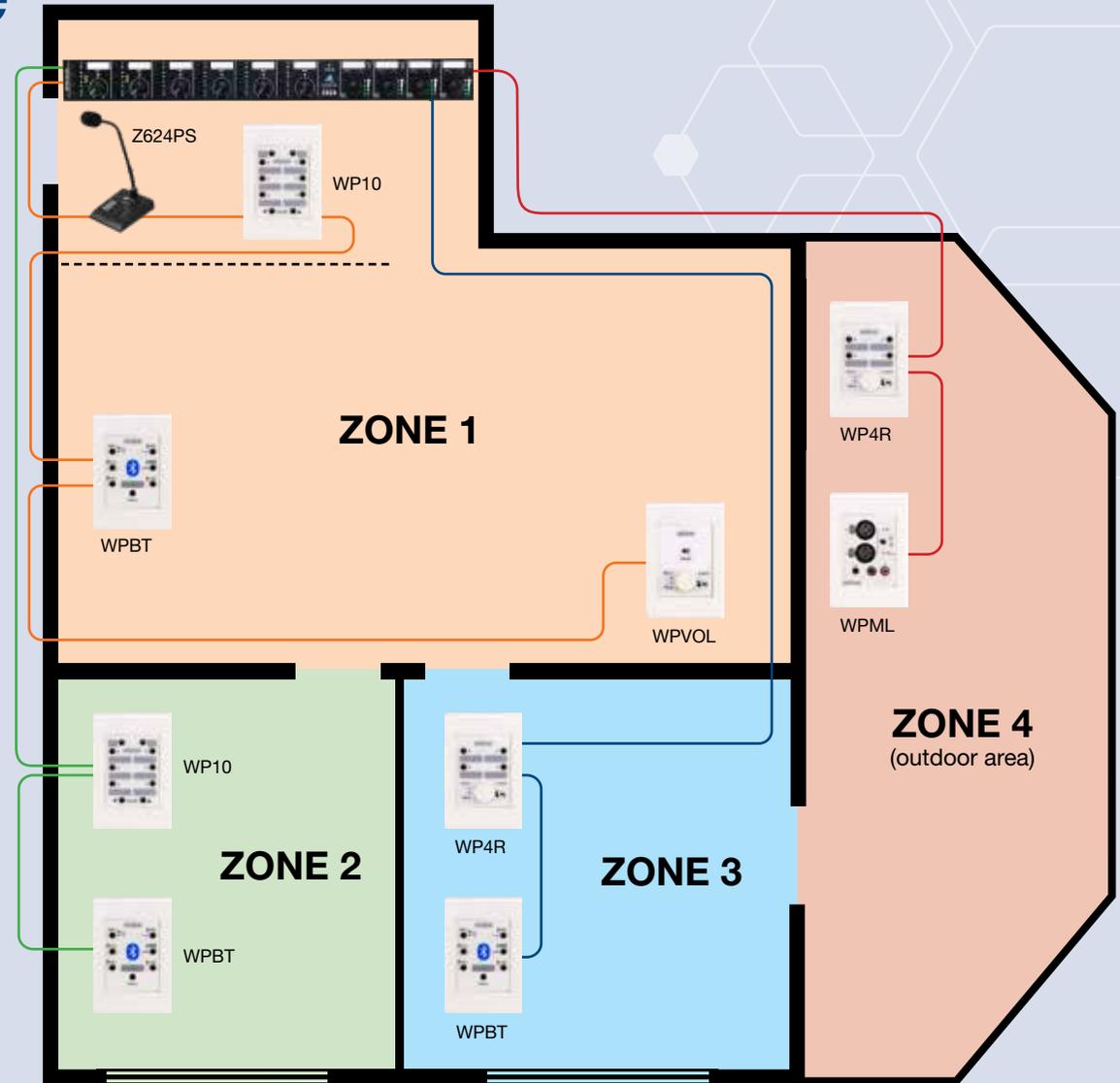
- **Zone 2 – WP10**
Source selection, volume adjustment
- **Zone 2 – WPBT**
Bluetooth and local line level source

ACCESSORY BUS 3

- **Zone 3 – WP4R**
Source selection, volume adjustment
- **Zone 3 – WPBT**
Bluetooth and local line level source

ACCESSORY BUS 4

- **Zone 4 – WP4R**
Source selection, volume adjustment
- **Zone 4 – WPML**
Local balanced mic/line level input



Suggested Companion Power Amplifiers

HSP Series



HSP Series - USB/RS232 Control with miniDSP
2 and 4 channel power amplifiers

| | |
|--------------------|--------------------|
| HS2120P - 2 x 120W | HS2250P - 2 x 250W |
| HS4120P - 4 x 120W | HS4250P - 4 x 250W |

- 4 ohm, 70V and 100V output options
- Class D topology
- Programmable via PC UI application
- USB and RS232 control
- Mini DSP - Volume controls, input / output routing, high and low pass filtering, compressor / limiter, pink noise / sine wave generator, muting and inversion
- Mute control via contact
- Standby control via contact
- Fault status via contact

ISP Series



ISP Series - Ethernet, full DSP, Dante® Support
2 and 4 channel power amplifiers

| | |
|--------------------|--------------------|
| IS2120P - 2 x 120W | IS2250P - 2 x 250W |
| IS4120P - 4 x 120W | IS4250P - 4 x 250W |

- 4 ohm, 70V and 100V output options
- Class D topology
- Ethernet Control
- Embedded ALMA Control Software accessible using any HTML5 web browser
- Full DSP - Input Matrix, Filters, Parametric Eq, Compressor / limiter, Delay, Mute, Inversion
- 4 software configurable general purposes input/outputs
- ErP(1275/2008/EC) Low Power Standby (<2W)
- 4 Input, 4 Output Dante® support using expansion card DM4x4
- Additional 4 Analogue line inputs using expansion card ANALOGUE4

| Z624 | | Comments |
|---|---|--|
| INPUTS/OUTPUTS | | |
| ZONE OUTPUTS | 4 | |
| OUTPUT MODE | Mono | |
| MIC/LINE INPUTS | 6 | Balanced Euro block and RCA |
| PHANTOM POWER | 24V, 10mA | |
| LOCAL AUDIO INPUTS | 4 | |
| PAGING STATIONS | 1 | Z624PS supported |
| WALL PANELS | 8 controllers and 8 audio input panels | |
| CONTROL | | |
| USER CONTROLS | Front panel. Wall panels | |
| COMMS INTERFACE | USB-C | PC GUI |
| tone GENERATOR | 5 Tones | Customisable from micro SD Card |
| MICRO SD CARD | FAT32 file format. 4GB maximum file size. 2TB maximum card size | |
| SD CARD FILE FORMAT | WAV: PCM, 16-bit, 44.1kHz sample rate | |
| AUDIO PERFORMANCE | | |
| FREQUENCY RESPONSE | LINE 20Hz - 20kHz MIC 50Hz - 20kHz | ±0.5dB |
| THD | < 0.05% | 20Hz-20kHz, 20kHz BW, Unity Gain |
| SNR | > 95dBA | Max Output, 1kHz, 20kHz BW, A-Weighted |
| CHANNEL SEPARATION (CHANNEL-TO-CHANNEL) | -60dB -55dB | Max Output, one channel driven 20Hz - 1kHz 1kHz - 20kHz |
| MECHANICAL | | |
| SHIPPING DIMENSIONS | 541 x 281 x 111mm (21.3W x 11.1"D x 4.4"H) | |
| PRODUCT DIMENSIONS (with rack ears) | 485 x 185 x 44.5mm (19.1"W x 7.3"D x 1.75"H) | Includes Knobs and Rear Connectors |
| PRODUCT DIMENSIONS (without rack ears) | 438 x 176 x 44.5mm(17.3"W x 6.9"D x 1.75"H) | Includes Knobs and Rear Connectors |
| NET WEIGHT | 2.2 Kg (4.85 lbs) | |
| SHIPPING WEIGHT | 3 Kg (6.6 lbs) | |
| INPUT VOLTAGE | 24V DC 1.5A | 100-240Vac 36W plug pack |
| POWER CONSUMPTION | 8W / 19W | No accessories / Maximum Load |



AUSTRALIAN MONITOR

INTEGRATION INTELLIGENCE

ENGINEERED BY AUSTRALIAN MONITOR

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