

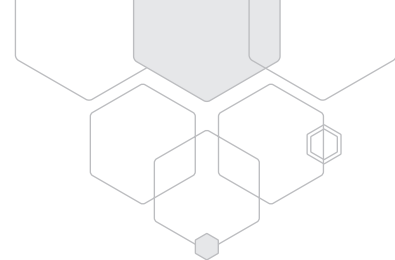
INSTALLATION AND OPERATION MANUAL

Z624PS

Z624 Paging Station



IMPORTANT SAFETY INFORMATION

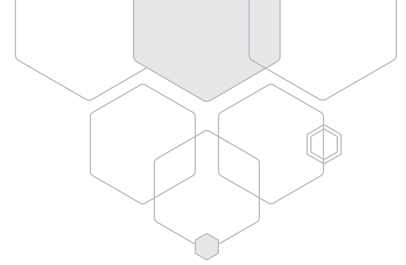


1. READ these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
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.
15. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquid such as vases shall be placed on the apparatus.
16. Plug this apparatus to the proper wall outlet and make the plug to be disconnected readily operable.
17. Mains plug is used as disconnected device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
18. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
19. An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.
20. The apparatus should be disconnected from the mains completely before speaker wiring. The speaker output should be proper protected from direct contact and pay attention to speaker connections, terminals and speaker wiring during normal operation.

PRÉCAUTIONS DURANT UTILISATION

1. LISEZ ces instructions.
2. Tenez ces instructions.
3. Notez tous les avertissements.
4. Suivez toutes les avertissements.
5. N'utilisez pas ce produit près de l'eau (la piscine, la plage, le lac, etc.).
6. Nettoyez seulement avec une étoffe sèche.
7. Ne bloquez aucuns trous de ventilation. Installez en accord avec les instructions du manufacturier.
8. N'installez près aucunes sources de chaleur comme radiateurs, registres de chaleur, fours ou les autres équipements (y compris amplificateurs) qui produisent la chaleur.
9. Ne défaites pas le but de sécurité de la fiche polarisée ou base-type. Une fiche polarisée a deux tranchants avec un plus large que l'autre. Une fiche de base type a deux a deux tranchants et une troisième pointe de base, le tranchant large ou la troisième pointe est fourni pour votre sécurité. Si la fiche donnée ne conforme pas votre prise de contact, consultez un électricien pour remplacement de la prise de contact obsolète.
10. Protégez le cordon de secteur contre être marchée dessus ou pincé en particulier aux fiches, aux douilles de convenance, et au point où ils sortent de l'appareil.
11. Seulement utilisez attachements/accessoires spécifiés par le manufacturier.
12. Utilisez seulement avec un chariot, un stand, un trépied, un support ou une table indiquée par le manufacturier, ou vendue avec l'appareil. Quand un chariot est utilisé, faites attention en déplaçant la combinaison d'appareil/chariot pour éviter de se déséquilibrer.
13. Arrachez la fiche du dispositif durant éclair et orage ou quand pas utilisé pour longues périodes de temps.
14. Référez au personnel qualifié de service pour toutes réparations. La réparation est donnée quand le système a été endommagé à n'importe façon, par exemple un fil ou une fiche endommagé(e) de la source d'alimentation. Avoir été exposé à pluie ou humidité, n'opère pas normalement, ou avoir été tombé.
15. L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.
16. Branchez l'appareil à une source appropriée et faire que la prise à débrancher soit facilement accessible.
17. La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.
18. **AVERTISSEMENT:** Pour éviter le risque d'incendie ou de chocs électriques, ne pas exposer cet appareil à la pluie ou à l'humidité.
19. Un appareil avec la borne de terre de protection doit être connecté au secteur avec la connexion de terre de protection.
20. Assurez-vous que l'appareil est hors tension avant de connecter les hauts parleurs. Vérifiez que la sortie des enceintes soit protégées contre un contact physique. Respecter les polarités des terminaux ainsi que le câblage des enceintes pendant le fonctionnement afin d'assurer une utilisation sécurisée.

INTRODUCTION & CONTENTS



Z624PS

The Australian Monitor Z624PS Paging Station features 4 zone selector buttons, an all call button and busy LED status with a supercardioid gooseneck microphone.

The Z624PS is designed to be used with the Z624 system to provide paging to individual zones, combination of zones or all zones. Connection to the Z624 is via low cost CAT 5 cable.

Ample label space is provided on the Z624PS for easy button name customisation, LED indicators provide the user with visual feedback of the zones being paged and when the system is busy.

A rear panel gain control allows for adjustment to achieve the optimal listening level.

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Revision 1.0: May 2025

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.



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.

Rating plate and caution marking are marked on the back enclosure of the apparatus

CONTROLS



Top



Rear

1 ZONE SELECTION BUTTONS

Select the required zone/s using these buttons and it's associated LED with turn on. Finally, press the 'ZONE PAGE' button to make a page to the selected zones.

2 ZONE PAGE

This button pages to the currently selected zone/s as indicated by the respective LEDs. The zones being paged have their program sources muted and the microphone becomes active.

3 ALL PAGE

This button pages to all zones. It is momentary so must be held while talking into the microphone. It activates the microphone and mutes the program sources (depending on configuration). It does NOT clear the current zone selection configuration so the paging station will return to its previous state (selected zones) once the ALL PAGE button is released.

4 CLEAR

This button clears all selected zones

5 BUSY

The BUSY LED will turn on to indicate the system is currently busy and the paging microphone is disabled.

• **The BUSY LED will turn on when,**

- * **The pre-announce chime is playing**
- * **The EVAC, ALERT or INTRUDER signals are active**
- * **The priority inputs are overriding the paging**

6 GAIN

To accommodate different speech levels there is a gain control on rear of the Z624PS. Adjust the level to provide clear paging audio.

7 ACCESSORY PORT

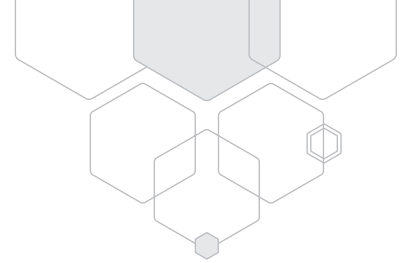
Connect the Z624PS to any one of the Z624 accessory ports using Cat5, Cat5e or Cat6 cable.

8 PORT TERMINATION SWITCHES

Turn both switches ON (Up) if the Z624PS is the **last** device on an accessory cable run.

⚠ NOTE: Turn off the Z624 when making wiring or termination changes.

CONNECTING THE Z624PS



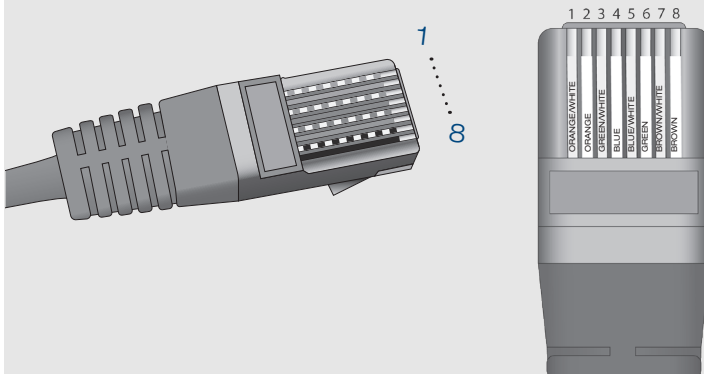
1 Z624PS WIRING

Wire the Z624PS paging station as per the images below.

Category 5, 5e and 6 cabling are supported.

T-568B wiring is recommended as shown. However, T-568A is also supported.

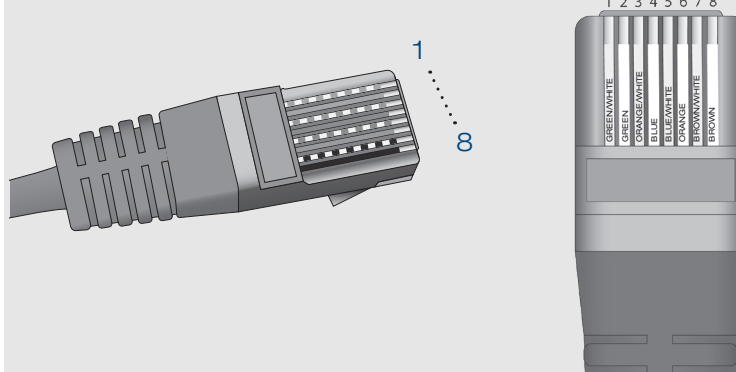
T-568B STANDARD (RECOMMENDED)



Pin	Colour	Signal
1	Orange/White	Paging Audio + or Remote Input 2 +
2	Orange	Paging Audio - or Remote Input 2 -
3	Green/White	RS485 B
4	Blue	+24V DC
5	Blue/White	GND
6	Green	RS485 A
7	Brown/White	Remote Input 1 +
8	Brown	Remote Input 1 -

*T-568B wiring standard recommended

T-568A STANDARD



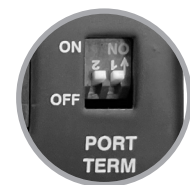
Pin	Colour	Signal
1	Green/White	Paging Audio + or Remote Input 2 +
2	Green	Paging Audio - or Remote Input 2 -
3	Orange/White	RS485 B
4	Blue	+24V DC
5	Blue/White	GND
6	Orange	RS485 A
7	Brown/White	Remote Input 1 +
8	Brown	Remote Input 1 -

2 Z624PS TERMINATION (DO NOT SKIP THIS STEP)

If the Z624PS is the LAST device on an accessory port cable run it MUST be terminated using the rear panel "PORT TERM" DIP switches by turning them to the ON position.

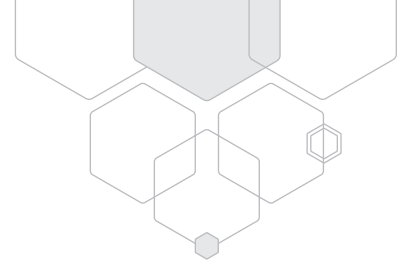
If the Z624PS is NOT the LAST device on the accessory port cable run the "PORT TERM" switches must be OFF.

The Z624 system uses the RS485 standard to communicate with the paging station. RS485 requires that each end of a cable run is terminated to prevent signal corruption due to signal reflections in the cable.



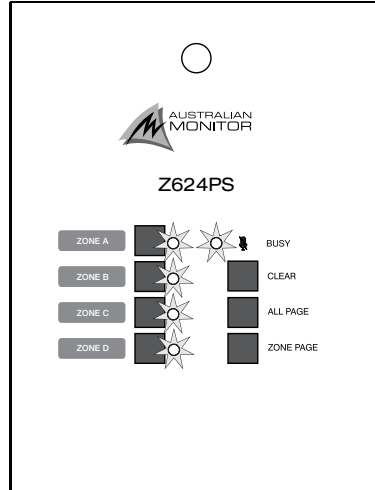
Termination DIP switches

CONNECTING THE Z624PS (CONT.)



3 POWER ON THE Z624

Once the paging station have been correctly wired and connected to the Z624 via an accessory port, power on the Z624. The Z624PS paging station will then flash all LEDs every second. This indicates that the Z624PS is waiting to be PAIRED with the Z624.

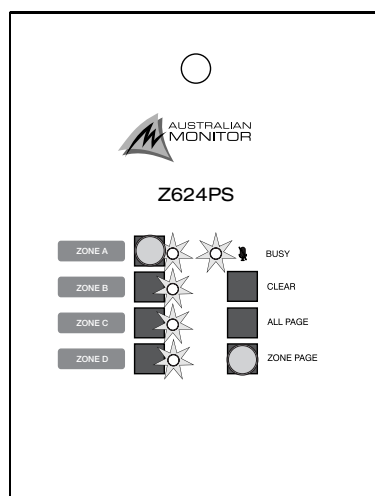


LEDs flashing when waiting to be paired

4 PAIRING

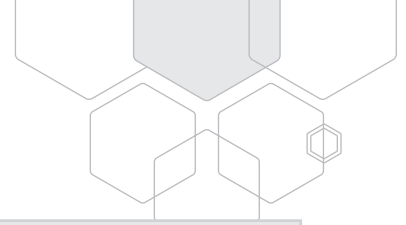
Pair the Z624PS to the Z624 as follows,

1. Press and hold the TOP LEFT and BOTTOM RIGHT buttons simultaneously until all the LED's start flashing every 0.2s.
2. If necessary, the Z624PS will download it's firmware from the Z624. This is indicated by an anti-clockwise LED pattern on the paging station.
Note: This step will only happen when using a new paging station or the system needs to update the firmware.
3. The Z624PS will then reboot and retrieve it's configuration from the Z624, this is indicated by a rotating clockwise LED pattern.
4. The Z624PS should now be operational



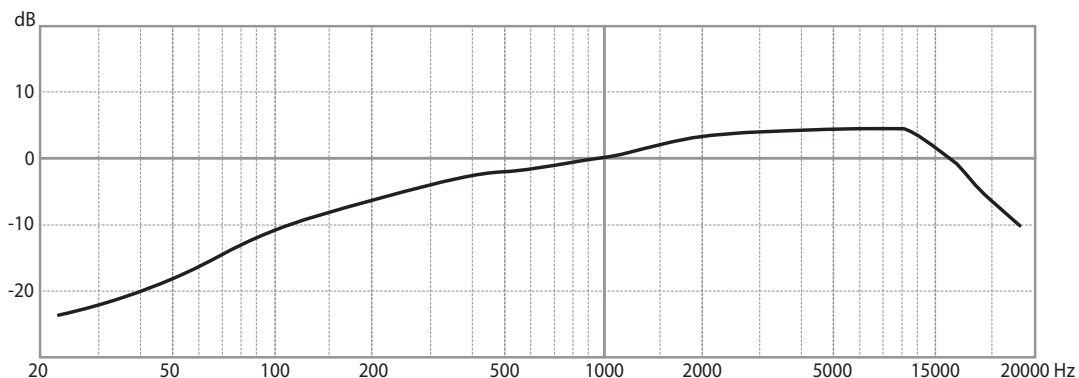
Pair by holding top left and bottom right button, LED's will start flashing

SPECIFICATIONS

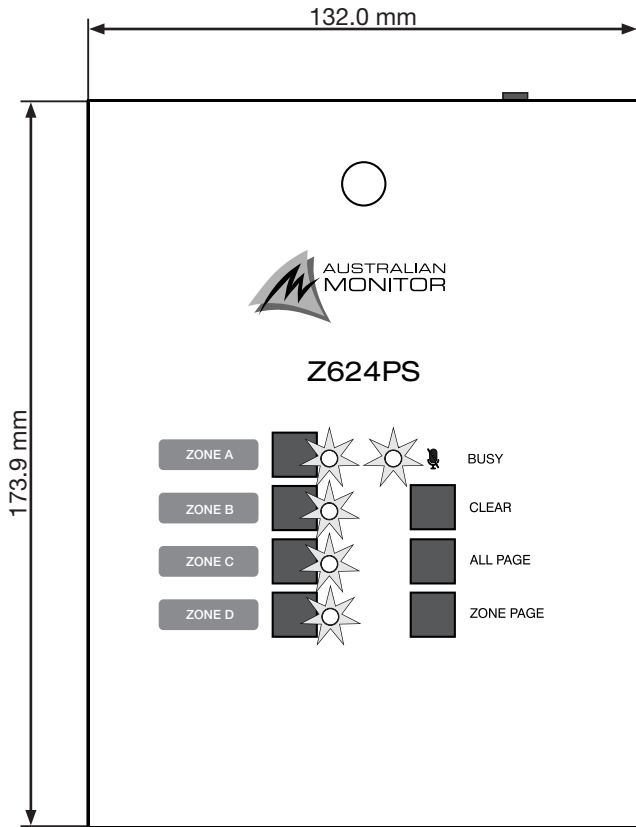


MICROPHONE	
LENGTH	600mm
TRANSDUCER TYPE	Dynamic
POLAR PATTERN	Supercardoid
FREQUENCY RESPONSE	100Hz - 15kHz
CONTROLS / STATUS	
4 ZONE SELECT BUTTONS	
ALL PAGE, ZONE PAGE, CLEAR BUTTONS	
PORT TERM	DIP switches for RS485 bus termination
LED INDICATORS	Green LED on programmable buttons and Chime
CONNECTION	
RJ45 FOR POWER, AUDIO, AND COMMS	Supports UTP Cat5, Cat5e, and Cat6
POWER	
DC INPUT (Via RJ45)	24V DC, 45mA
MISCELLANEOUS	
PRODUCT DIMENSIONS	132mm x 173.9mm x 350mm (5.2"W x 6.9"D x 13.8"H)
SHIPPING DIMENSIONS	350mm x 200mm x 145mm x (13.8"W x 7.9"D x 5.7"H)
NET WEIGHT	1.0kg
SHIPPING WEIGHT	1.5kg
OPERATING TEMPERATURE	0°C to 40°C
FINISH	Powder coated steel
COLOUR	Black (Satin)
ACCESSORIES	Label sticker sheet Microphone Windsock
APPROVALS	CE, IEC, RCM

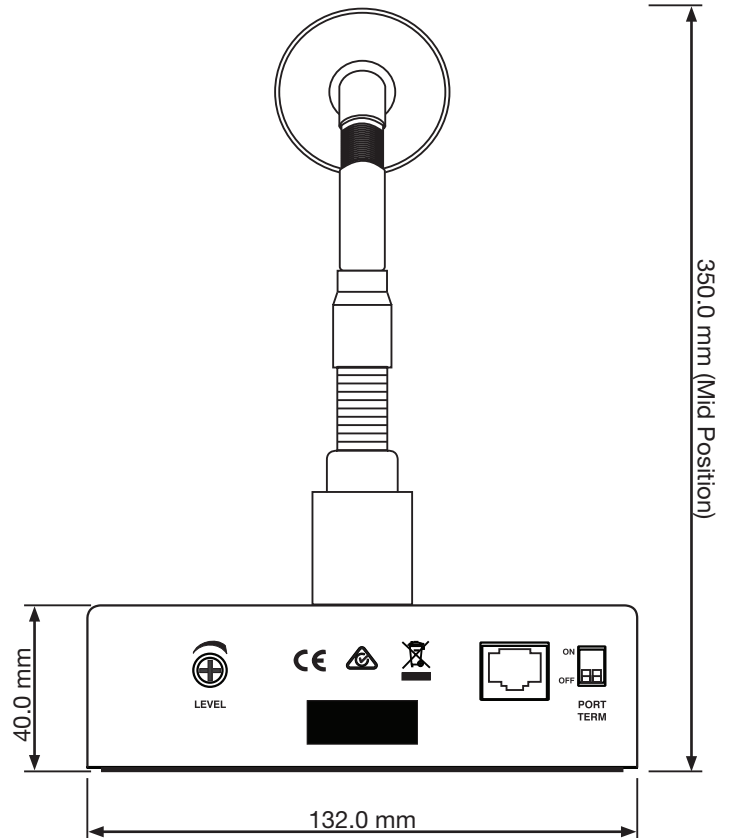
Microphone Frequency Response



Z624PS DRAWINGS



TOP VIEW



REAR VIEW



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