

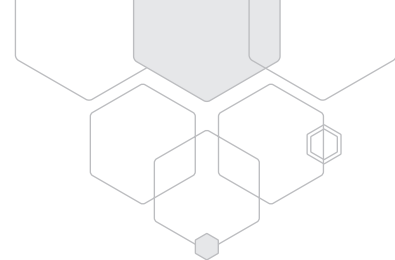
## INSTALLATION AND OPERATION MANUAL

# ZMPS

*ZONING PAGER*



# IMPORTANT SAFETY INFORMATION

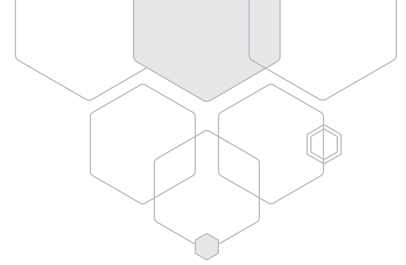


1. READ these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near 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



## ZMPS

The Australian Monitor ZONEMIX Paging Station (ZMPS) is a software configurable paging station with a supercardioid gooseneck microphone.

The ZMPS is designed to be used with the ZONEMIX system to provide paging and pre-recorded message playback to individual zones, combination of zones or all zones. Connection to the ZONEMIX is via low cost CAT 5 cable.

Ample label space is provided on the ZMPS for easy operation and LED indicators provide the user with visual feedback of the zones being paged or if the system is busy.

A rear panel gain control allows level adjustment along with an internal audio limiter to guarantee voice clarity.

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Revision 1.0: June 2022

## 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



**1 SOFTWARE DEFINED BUTTON**  
There are 13 software configurable buttons on the ZMPS. Each button can be configured to select a single zone, groups of zones or to activate a pre-recorded announcement. Use the ZONEMIX PC control software to assign the required function to each button.

**2 CLEAR**  
This button clears all selected zones

**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 or ducks 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 ZONE PAGE**  
This button pages to the currently selected zone/s as indicated by their respective LEDs. The zones being paged have their program sources muted or ducked (depending on configuration) and the microphone becomes active.

**5 CHIME**  
The chime LED will turn on to indicate the pre-announce chime is playing. Do not speak through the ZMPS until this LED is off.

**6 BUSY**  
The busy LED will turn on when the system is busy performing another page. This can be caused by the local paging station (you are making a page) or a remote paging station being in use. Paging and messaging are not possible while the system is busy, however zone selections can still be made.

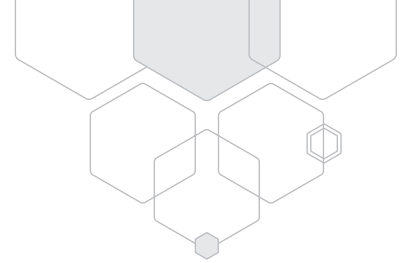
**8 GAIN**  
To accommodate different speech levels, there is a gain control on rear of the ZMPS. Adjust the level to provide clear paging audio.

**9 ACCESSORY PORT**  
Connect the ZMPS to the ZONEMIX accessory ports using Cat5, Cat5e or Cat6 cable.

**10 PORT TERMINATION SWITCHES**  
Turn both switches ON (Up) if the ZMPS is the **last** device on an accessory cable run.

**NOTE:** Turn off the ZONEMIX when making wiring or termination changes.

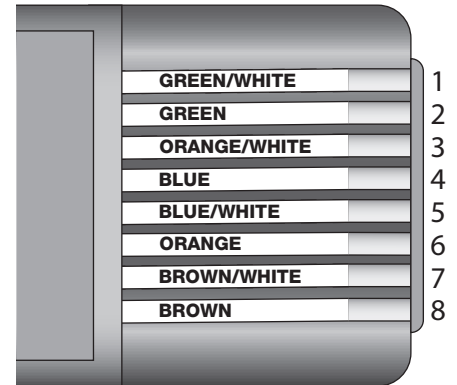
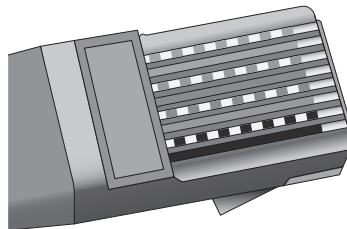
# CONNECTING THE ZMPS



## 1 ZMPS WIRING

Wire the ZMPS paging station as per the images below.  
 Category 5, 5e and 6 cabling are supported.  
 T-568A wiring is recommended. However, T-568B is also supported.

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



T-568A wiring (Tab down view)

## 2 DAISY CHAINING ZMPS STATIONS

If you need to daisy chain ZMPS paging stations on the same accessory port run, use a terminal block or RJ45 splitter as shown. (Not included)

Daisy chain wiring from ZONEMIX to multiple pagers



## 3 ZMPS TERMINATION (DO NOT SKIP THIS STEP)

If the ZMPS 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.

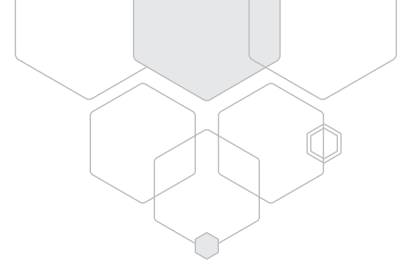
If the ZMPS is NOT the LAST device on the accessory port cable run the "PORT TERM" switches must be OFF.

The ZONEMIX system uses the RS485 standard to communicate with the paging stations. 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 ZMPS (CONT.)

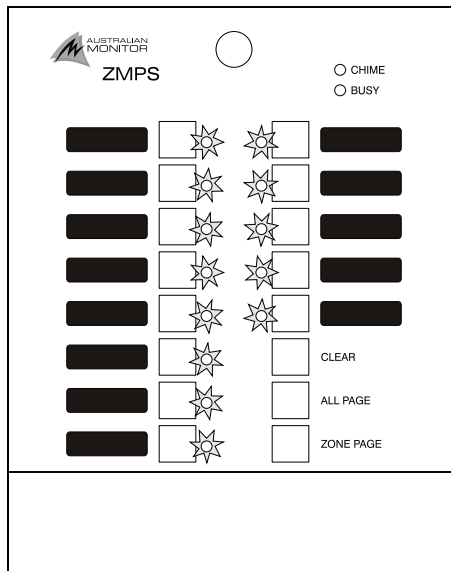


## 4 POWER ON THE ZONEMIX4/8

Once the paging stations have been correctly wired and connected to the ZONEMIX via the accessory ports, power on the ZONEMIX4/8.

The ZMPS paging station will then flash all LEDs every second.

This indicates that the ZMPS is waiting to be PAIRED with the ZONEMIX using the PC control software.

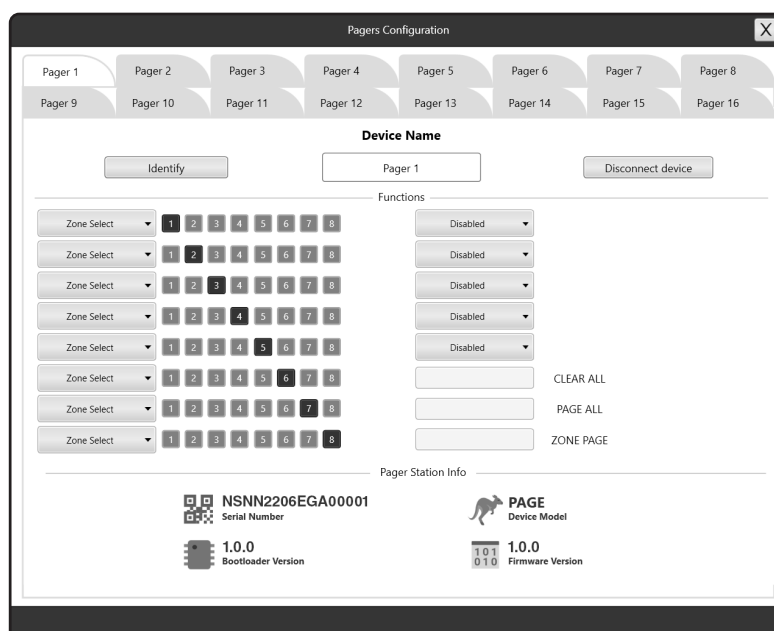


LEDs flashing when waiting to be paired

## 5 PAIRING AND CONFIGURATION

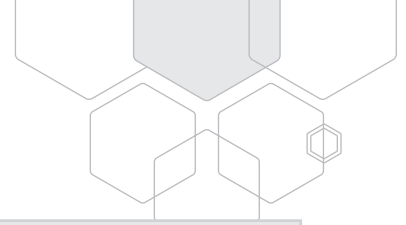
Pairing and configuring the ZMPS is performed using the ZONEMIX control software available on the Australian monitor website: [www.australianmonitor.com.au](http://www.australianmonitor.com.au)

Please consult the ZONEMIX4/8 manual for detailed instructions on pairing ZMPS stations and configuring the button functions.



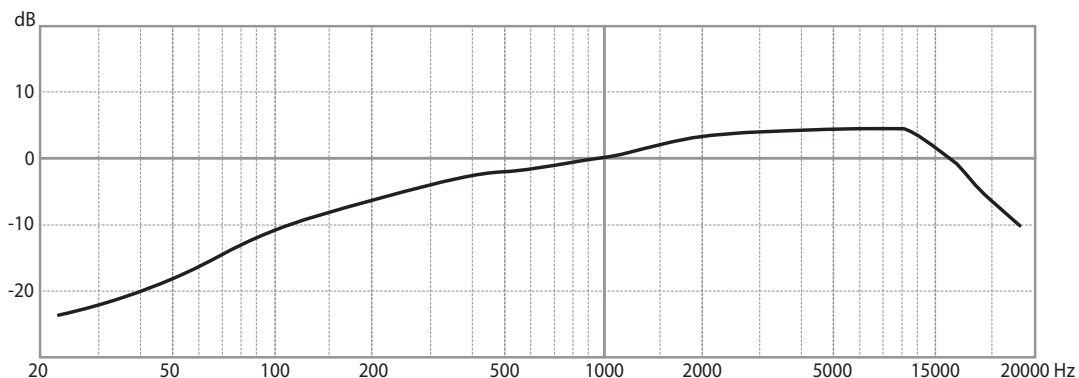
ZONEMIX Control Software

# SPECIFICATIONS

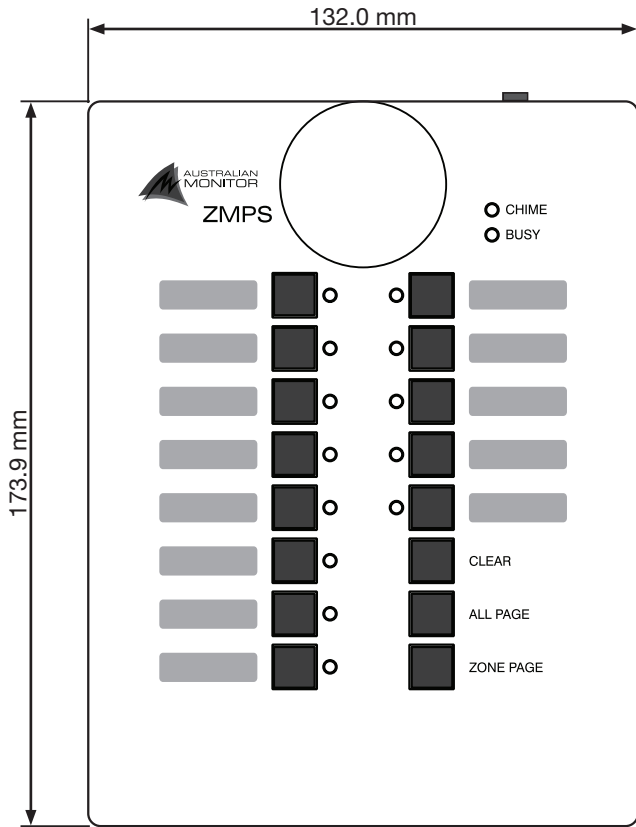


MICROPHONE	
LENGTH	600mm
TRANSDUCER TYPE	Dynamic
POLAR PATTERN	Supercardoid
FREQUENCY RESPONSE	100Hz - 15kHz
CONTROLS / STATUS	
13 PROGRAMMABLE BUTTONS	Programmable via ZONEMIX control software
ALL PAGE, ZONE PAGE, CLEAR BUTTONS	
PORT TERM	DIP switches for RS485 bus termination
LED INDICATORS	Green LED on programmable buttons and Chime Red LED on Busy
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

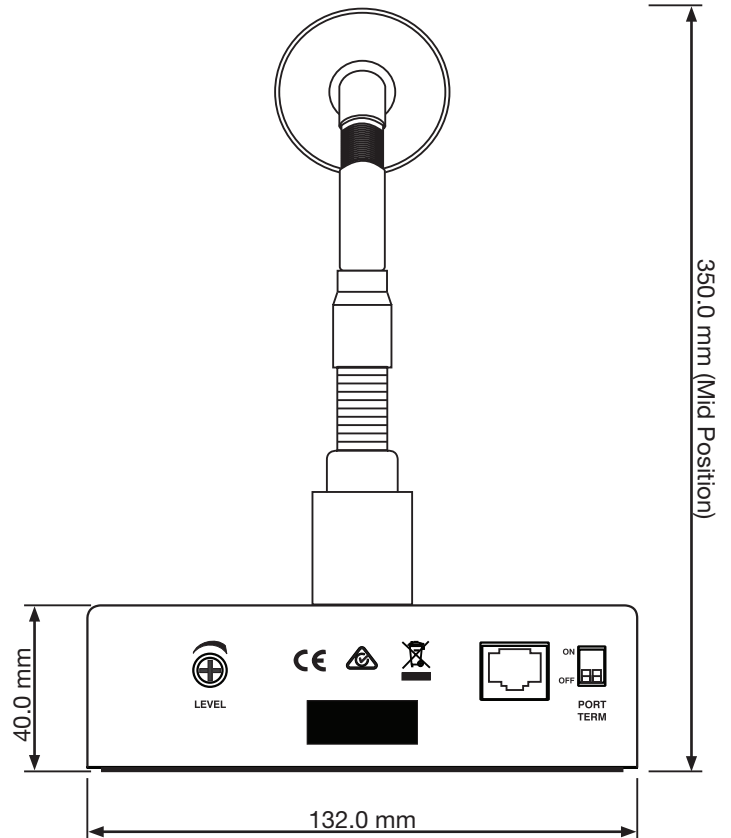
## Microphone Frequency Response



# ZMPS DRAWINGS



**TOP VIEW**



**REAR VIEW**



**ENGINEERED BY AUSTRALIAN MONITOR**

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