



AUSTRALIAN MONITOR ZONEMIX 4 Zone Mixer 4 Stereo Line Outputs User Guide

[Home](#) » [Australian Monitor](#) » AUSTRALIAN MONITOR ZONEMIX 4 Zone Mixer 4 Stereo Line Outputs User Guide



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Contents

- 1 INTRODUCTION
- 2 DECIDE PORT WIRING LAYOUT
- 3 CONFIRM YOU DO NOT EXCEED THE FOLLOWING LIMITS
- 4 ACCESSORY PORT WIRING
- 5 PORT TERMINATION – DO NOT SKIP THIS STEP
- 6 WP4R, WP10 GPO WIRING (OPTIONAL)
- 7 Documents / Resources
 - 7.1 References
- 8 Related Posts

INTRODUCTION

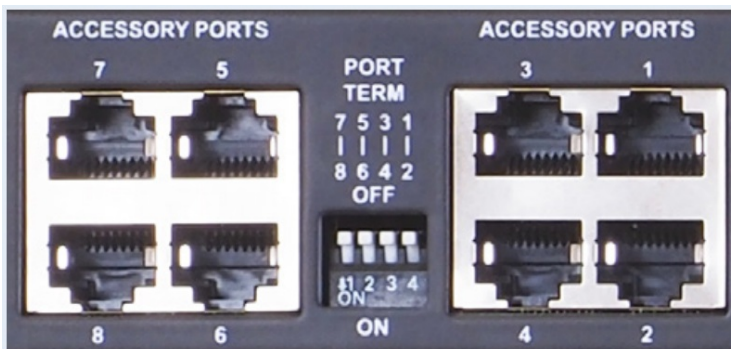
The **ZONEMIX** accessory ports allow for the connection of wall panels, paging stations and audio input sources. Please follow the guide below to set up your system.

Key:

- ZONEMIX 4



- ZONEMIX 8



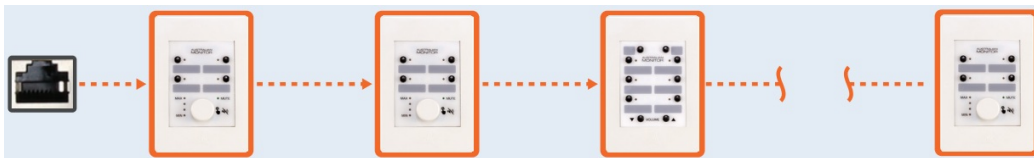
- Wall Controllers



- Audio Sources



Supports up to 8 controllers per port. (see page 2 for details)



Supports ONE audio input PER accessory port.



Supports up to 8 paging stations per port. (see page 2 for details) **Note:** Supports one active page at a time.

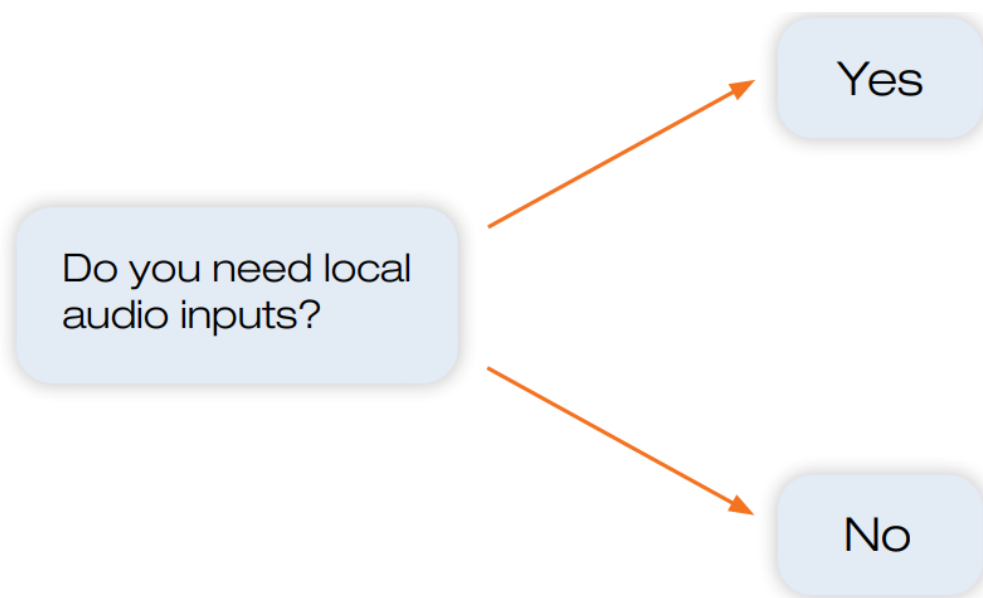


Example setup: Lots of controllers, lots of paging stations and ONE audio input.



Please note that accessory port local audio input channels are locked to the corresponding output zone and only one can be used per zone. E.g. Accessory port 1 local input connects to Zone 1. However, multiple wall panels and paging stations can be connected on the same accessory port.

DECIDE PORT WIRING LAYOUT



Use one accessory port per zone. i.e. Port 1 to Zone 1, Port 2 to Zone 2 etc. As audio inputs require their own home run.

 Only one audio input can be used per port.

 Wall controllers and paging stations can go on any port.

CONFIRM YOU DO NOT EXCEED THE FOLLOWING LIMITS

Maximum cable length per port	Accessories per port	Maximum Accessories in system
130m	8	24
150m	7	
170m	6	
200m	5	
250m	4	
350m	3	
500m	2	

The maximum distances quoted in the table are due to DC current limitations.

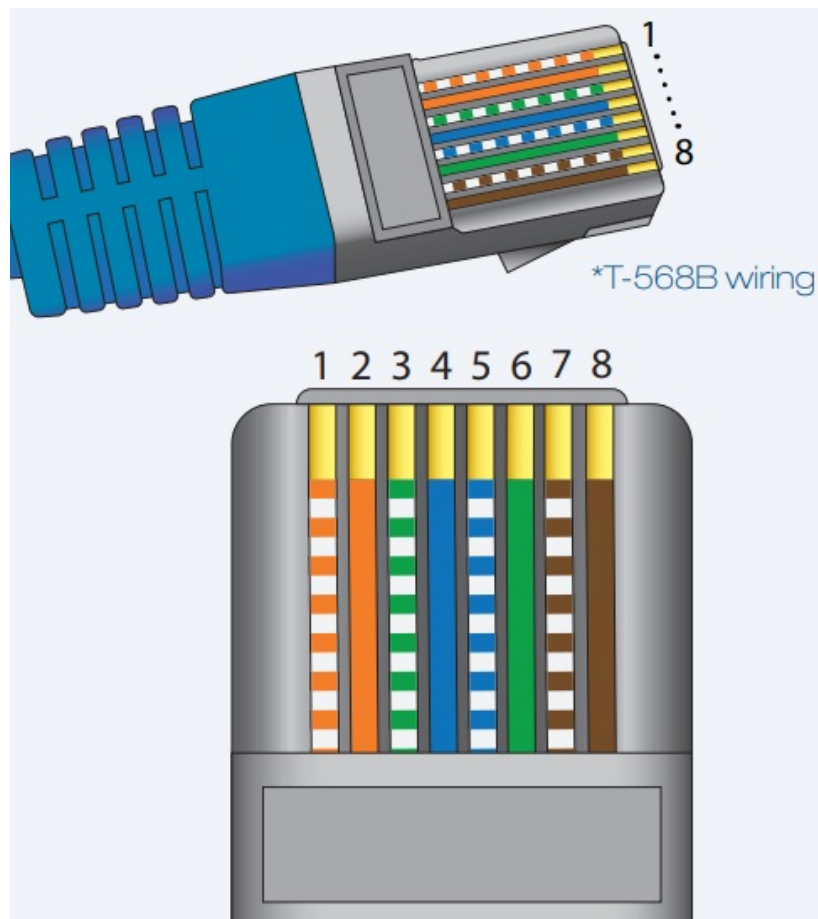
The paging stations and wall panels can be locally powered to increase the cable length to a maximum of 500m. Please read the following additional document: Advanced accessory port wiring guide

ACCESSORY PORT WIRING

Wire the ZONEMIX and ZMPS paging stations as per the images below.

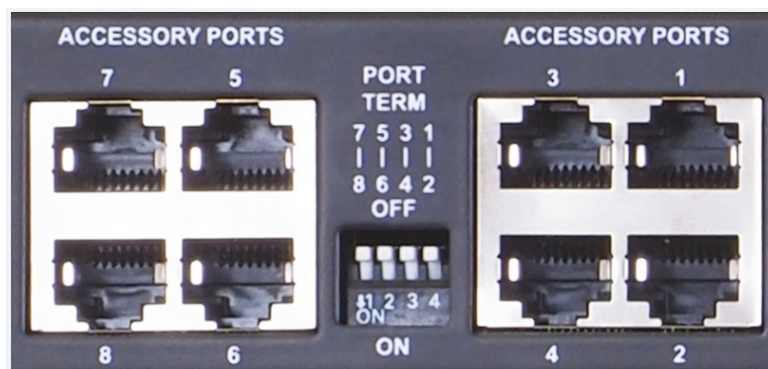
- Category 5, 5e and 6 cabling supported.
- T-568B wiring recommended. However, T-568A also supported.

ZONEMIX AND ZMPS WIRING



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

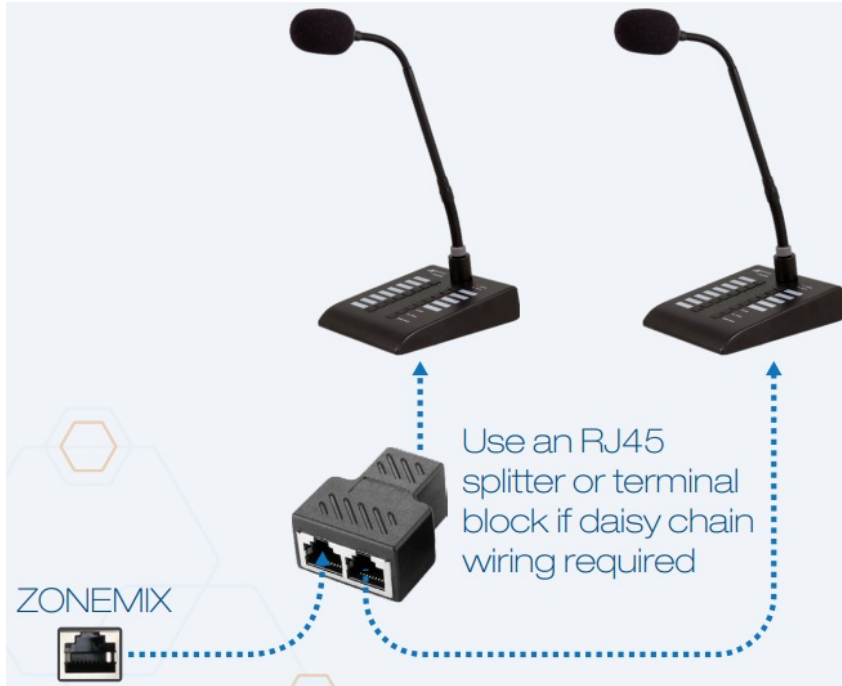
ZONEMIX



ZMPS



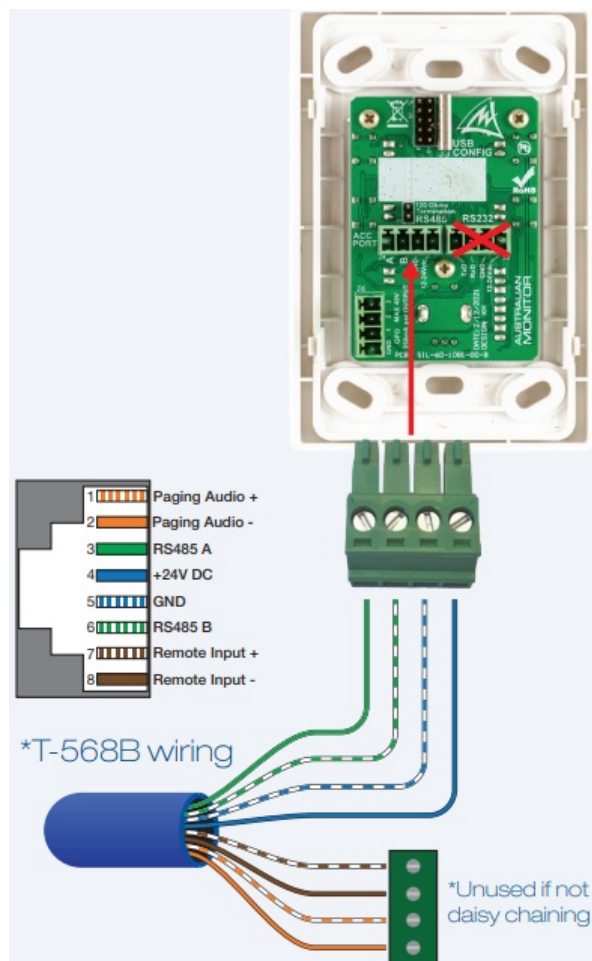
ZMPS DAISY CHAIN WIRING



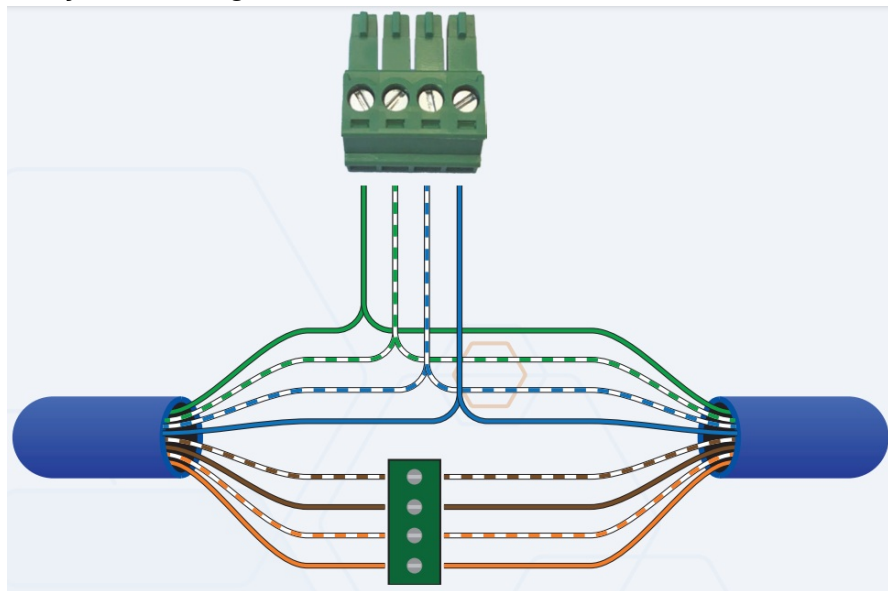
Wire the wall panels as per the images below.

- Category 5, 5e and 6 cabling supported.
- T-568B wiring recommended. However, T-568A also supported.

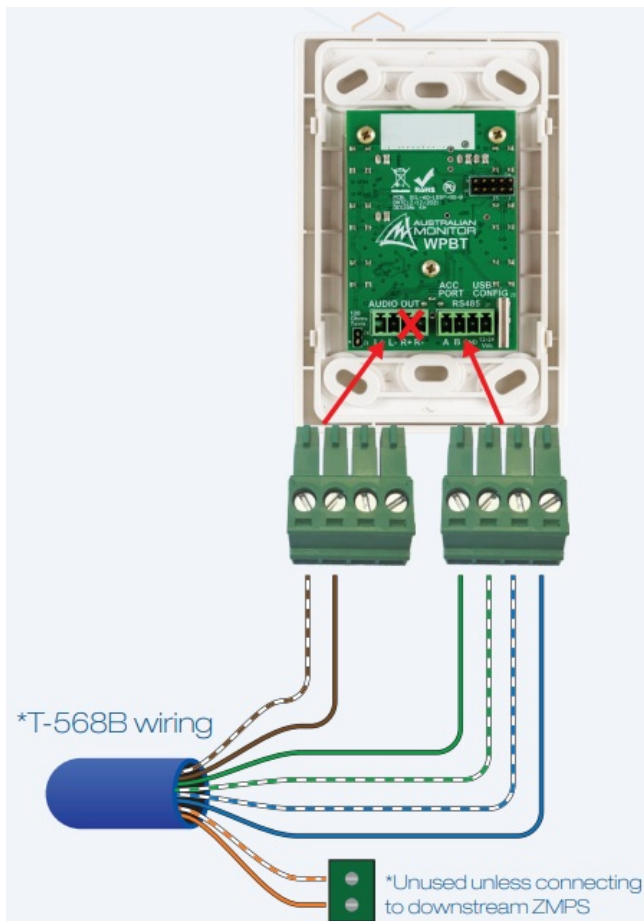
WP4R, WP10, WPVOL WIRING



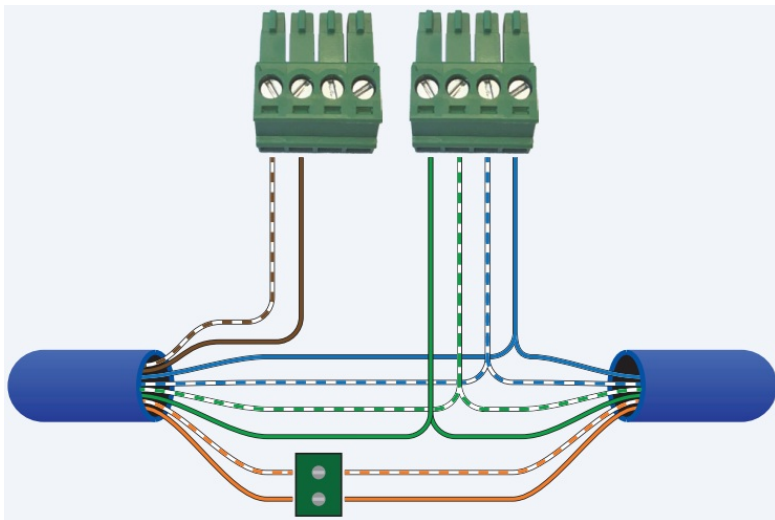
Daisy chain wiring



WPBT WIRING



Daisy chain wiring

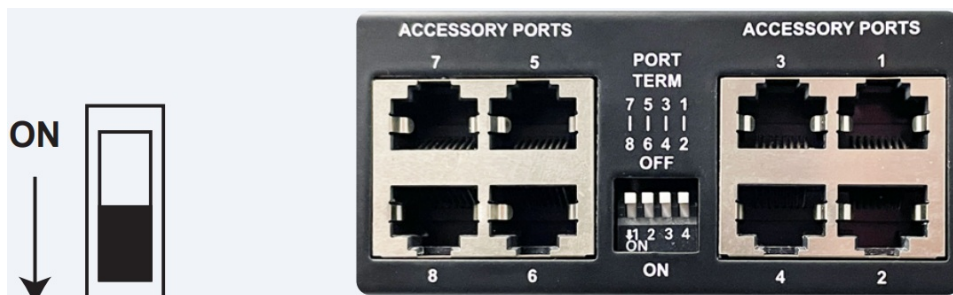


PORT TERMINATION – DO NOT SKIP THIS STEP

The **ZONEMIX** uses the RS485 standard to communicate to wall panels and paging stations. RS485 requires that each end of the cable run is terminated to prevent signal corruption due to signal reflections in the cable. The Accessory Ports are grouped in Pairs. 1+2, 3+4, 5+6, 7+8. You must terminate the **ZONEMIX** and Accessories based on which ports you use.

1. Terminate the **ZONEMIX** accessory ports, as per the table, using the PORT TERM switches

ACCESSORY PORT TERMINAL SWITCH SETTING			
ONE PORT USED	TERM	BOTH PORTS USED	TERM
Port 1 OR Port 2 used	ON	Port 1 AND Port 2 used	OFF
Port 3 OR Port 4 used	ON	Port 3 AND Port 4 used	OFF
Port 5 OR Port 6 used	ON	Port 5 AND Port 6 used	OFF
Port 7 OR Port 8 used	ON	Port 7 AND Port 8 used	OFF

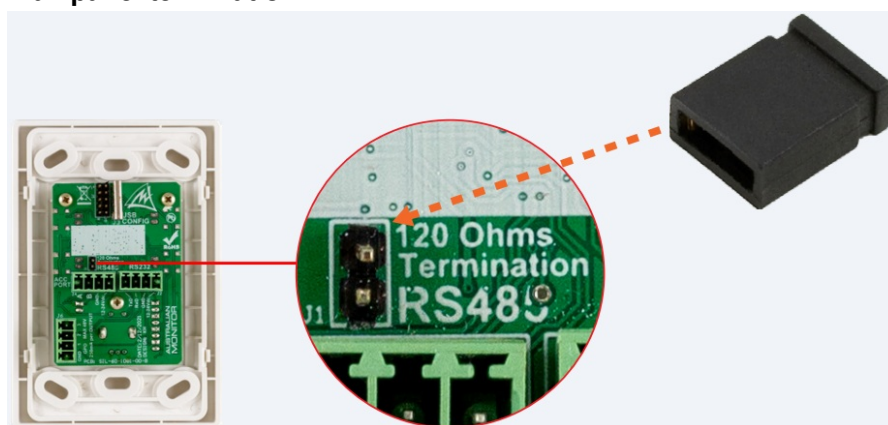


2. Terminate the LAST RS485 accessory on the port cable run.

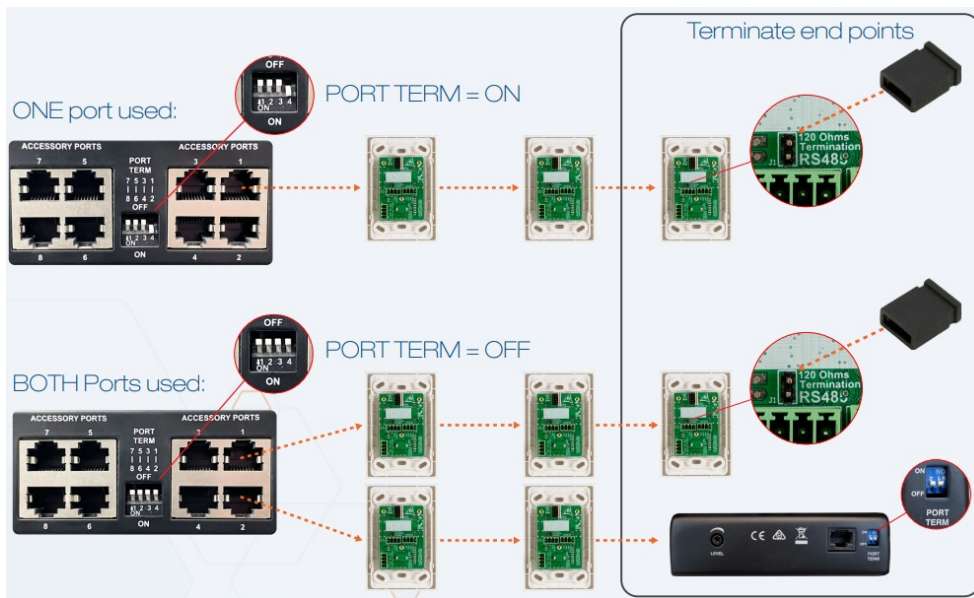
Paging station termination



Wall panel termination

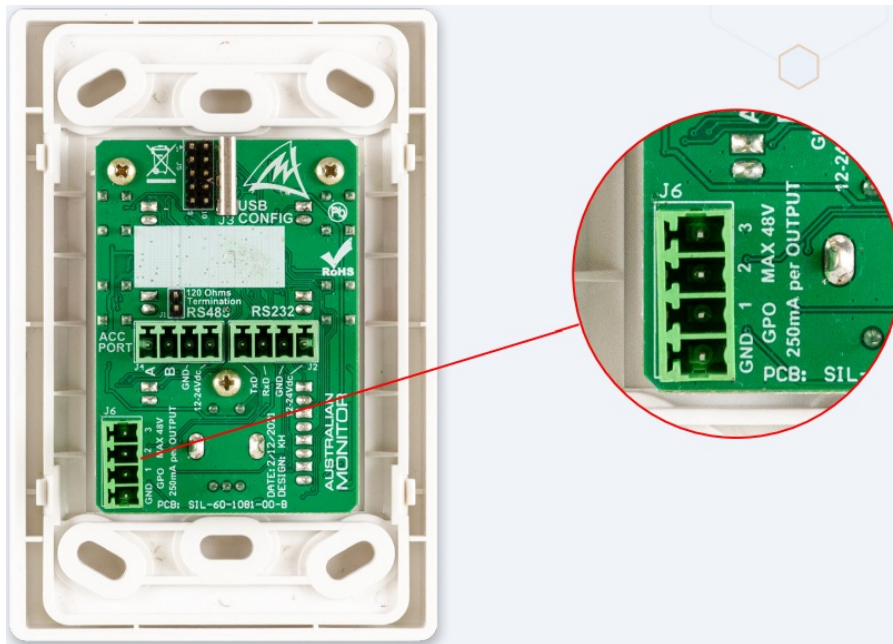


Examples:



WP4R, WP10 GPO WIRING (OPTIONAL)

The WP4R and WP10 both have 3 general purpose outputs which can be controlled from the wall panel buttons to trigger external devices such as projectors.

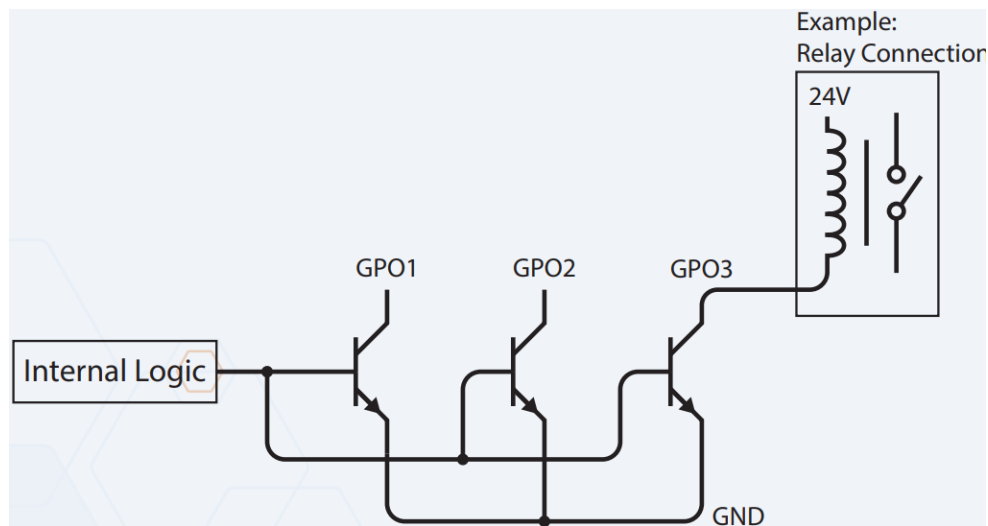


GPO Schematic

Each Output is an open collector transistor.

Maximum Voltage: 48V

Maximum Sink Current: 250mA

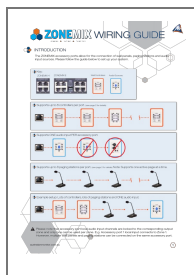


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Documents / Resources



[AUSTRALIAN MONITOR ZONEMIX 4 Zone Mixer 4 Stereo Line Outputs](#) [pdf] User Guide ZONEMIX 4, ZONEMIX 8, ZONEMIX 4 Zone Mixer 4 Stereo Line Outputs, Zone Mixer 4 Stereo Line Outputs, Mixer 4 Stereo Line Outputs, Line Outputs

References

- [Australian Monitor - Commercial and pro audio product manufacturer](#)