



# MGC ANC-4000 Audio Network Controller Board Instruction Manual

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## ANC-4000 Audio Network Controller Board Installation Manual

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### Module Mounting Locations

The ANC-4000 Audio Network Controller board may be mounted in two locations. One mounting location is in Slot 1 of the QMB-5000N backplane. The ANC-4000 is mounted using 7 screws to the backplate which is included with the QMB-5000N. Refer to Figure 1 below.

The other position is on the mounting plate BK-137 with the TNC-5000 (if used) mounted over the ANC-4000. Both are then mounted into a BB-5008 or BB-5014 backbox as shown in Figures 2, 3 and 4.

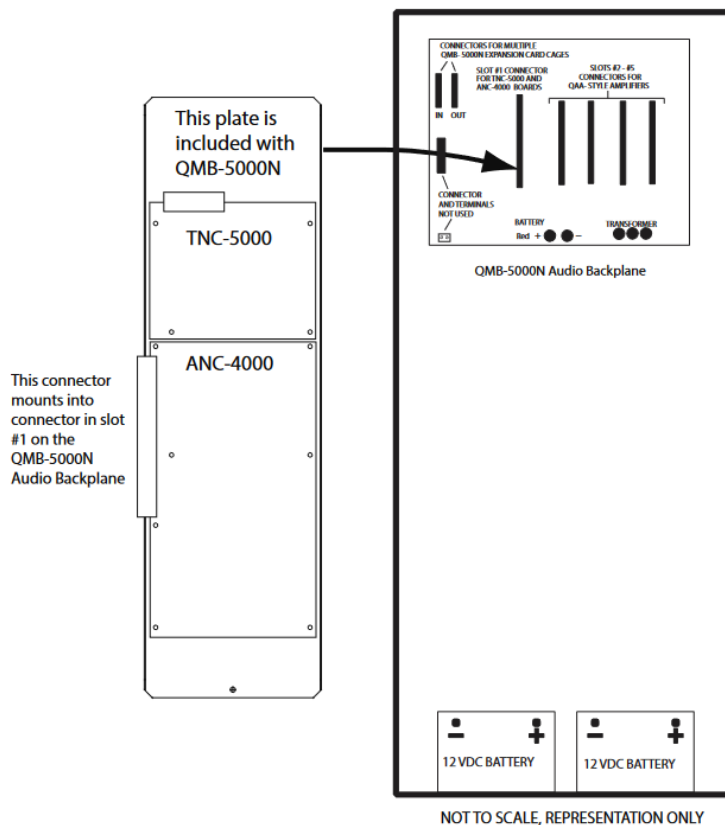


Figure 1: Mechanical Installation for the ANC-4000 Audio Network Controller Board

## Mechanical Installation of the ANC-4000 within the BB-5008 and BB-5014

### A. Mount ANC-4000 (and TNC-5000 if used) on Mounting Plate

The mounting plate is included with FX-4009-12N (MMX-4009-12N).

**Note:** The pin must be on the bottom and the LEDs for both boards must be on the top.

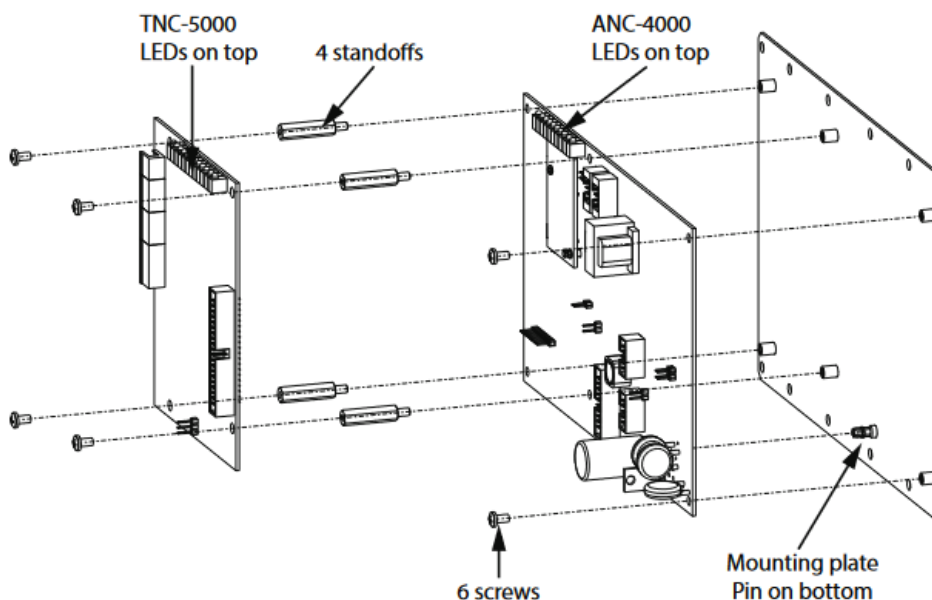
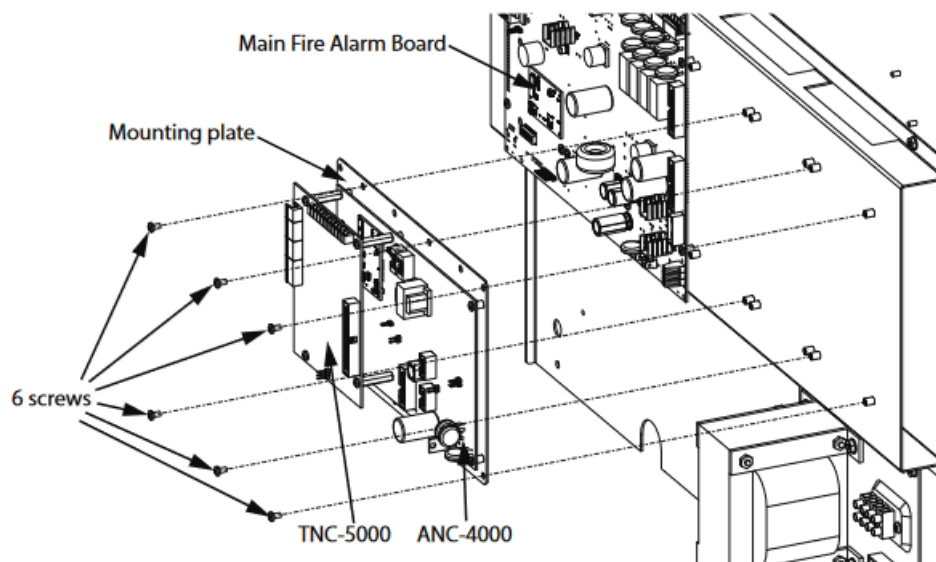


Figure 2: Mount ANC-4000 (and TNC-5000 if used) on Mounting Plate

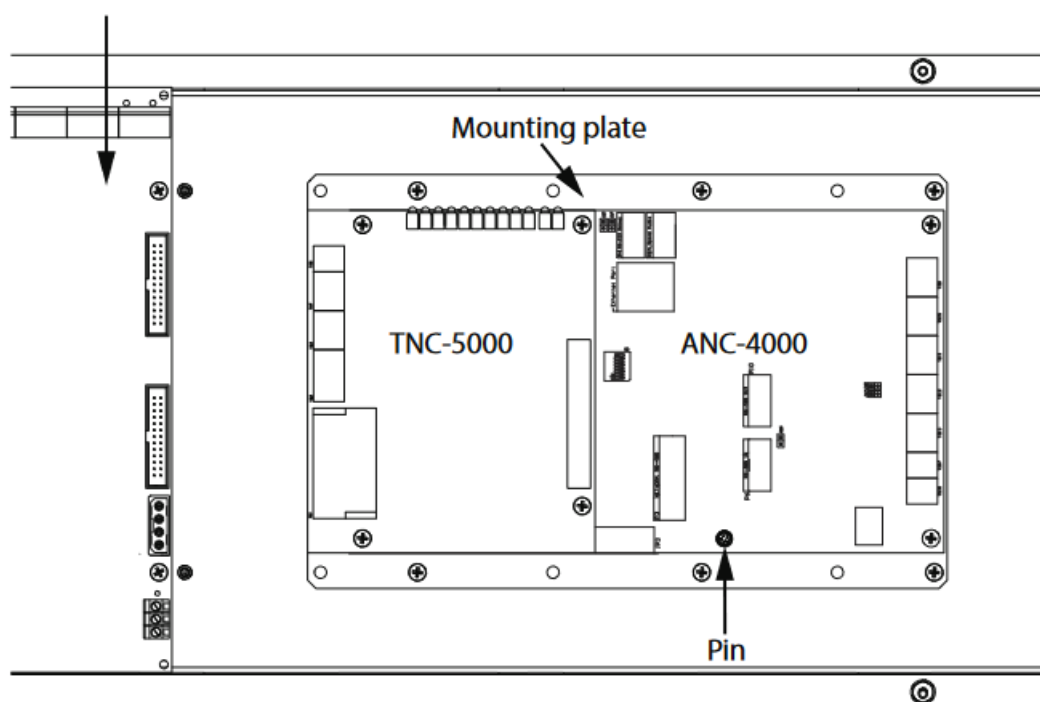
### B. Mount Assembly beside Main Fire Alarm Board



**Figure 3: Mount Assembly beside Main Fire Alarm Board**

### C. Final Position of ANC-4000, TNC-5000, Mounting Plate

Note: The pin must be on the bottom and the LEDs for both boards must be on the top. Main fire alarm board



**Figure 4: Final Position of ANC-4000, TNC-5000, Mounting Plate**

### DIP Switch Setting for SW1

Addresses available for the ANC-4000 per node are set as per the table below:

Table 1 ANC-4000 Board, Address Setting (DIP SWITCH SW1)

	ADDR	SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
000V-3N V	1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
	2	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
	3	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
	4	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
	Refer to Network Fire Alarm manual as to whether addresses 5, 6 and 7 are available.								
	5	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
	6	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
	7	OFF	OFF	OFF	OFF	OFF	ON	ON	ON

### ANC-4000 Audio Network Controller Module

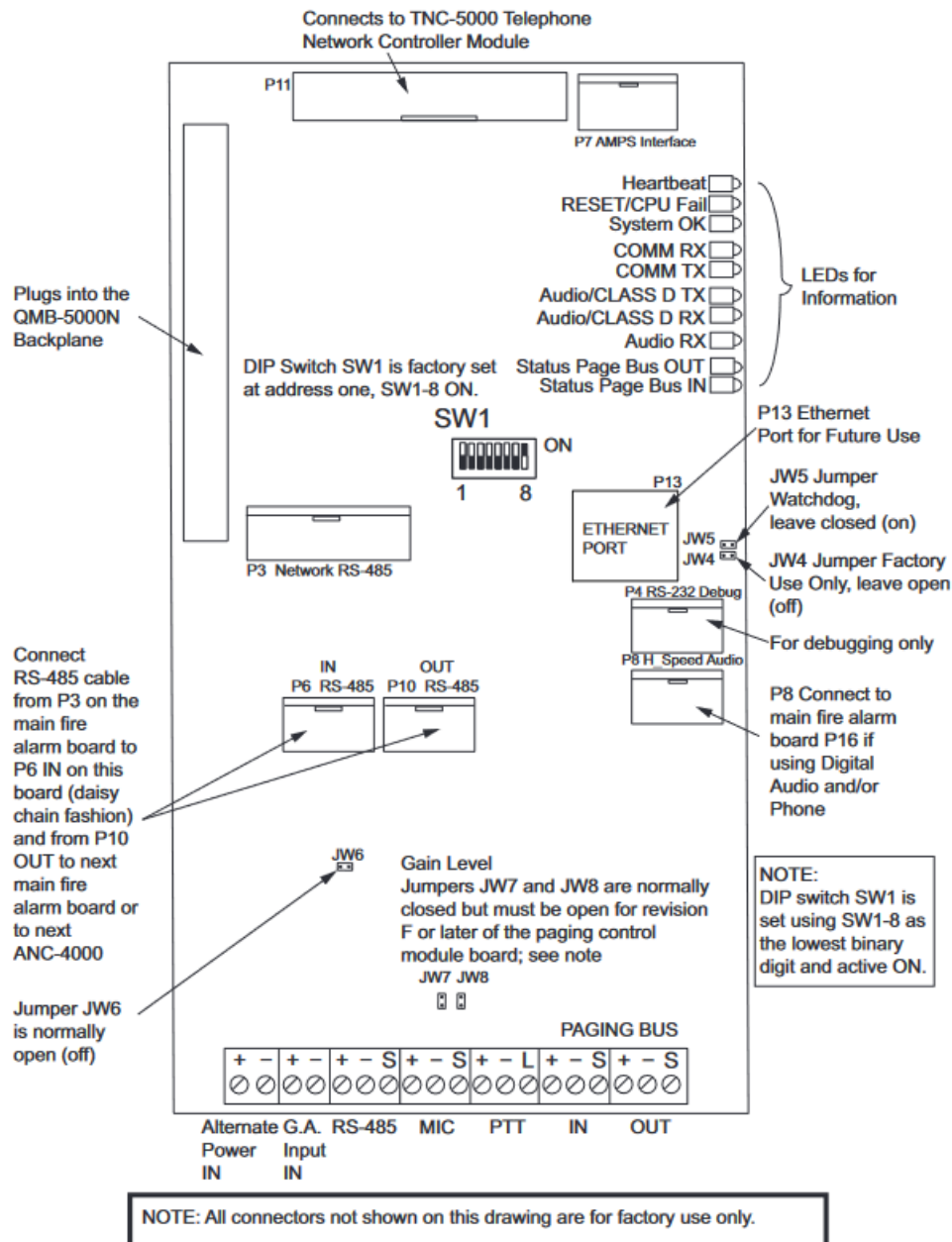


Figure 5: ANC-4000 Audio Network Controller board

**Note:** Revision F and later of MD-1016 (the circuit board in the QMP-5101N(V)) has a gain of 10x to increase the overall signal-to-noise performance. Therefore, the ANC-4000 must use the 1x gain setting by opening jumpers JW7 and JW8.

## ANC-4000 Wiring

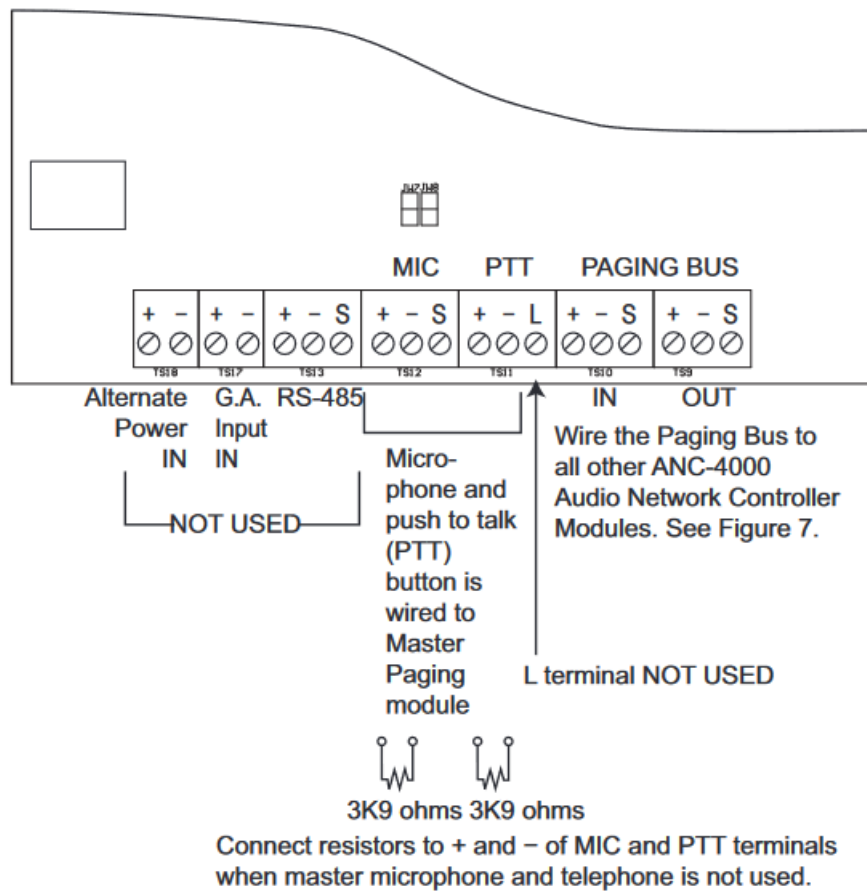


Figure 6: ANC-4000 Wiring Diagram

## Audio Paging Bus Wiring

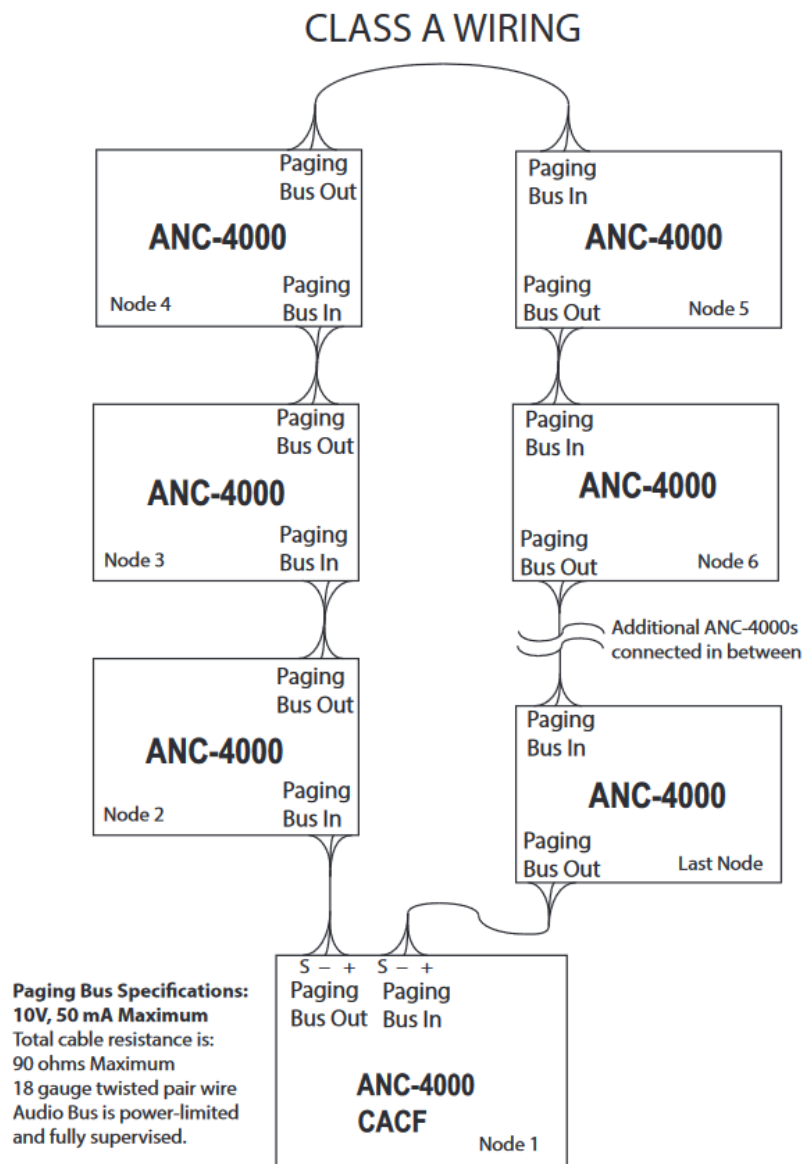


Figure 7: Audio Paging Bus Wiring



## Documents / Resources

	<p><a href="#">MGC ANC-4000 Audio Network Controller Board</a> [pdf] Instruction Manual          ANC-4000 Audio Network Controller Board, ANC-4000, Audio Network Controller Board, Controller Board, Board</p>
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