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INFORMATION BULLETIN

Part No.: AA38-5xx, -6xx, -7xx, -8xx

Description: **Four/Eight Place Intercom – Headphone Impedance & Exterior Labelling**
 Information Bulletin #: **001** Document: **AA38-609-0001**

Prepared By:  Tony Pearson Designer March 6, 2013	Checked By:  Kris Erickson Designer March 6, 2013	Approved By:  Todd Blackstock R&D Manager Mar 7/13
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1. Applicability

This information is applicable to all AA38-5xx/6xx/7xx/8xx units for the headphone output impedance and the AA38-502/602/702/802 units for the exterior labelling.

2. Subject

2.1 Headphone Output Impedance

The headphone output impedance is configurable between 8 Ω and 600 Ω.

WARNING:
 These assemblies contain ESD sensitive components.
 Ensure proper ESD handling procedures are followed.

For the AA38-5xx/6xx units that utilize the AA38-1x subassembly, JP1 – JP4 are set with two pin shorting blocks, which are removed and replaced in the corresponding position. Headphone output impedances can be individually selected on a per channel basis. See Table 1 for jumper configurations:

Jumper Ident	Low Impedance (8 Ω) Jumper Setting	High Impedance (600 Ω) Jumper Setting
JP1 (PHN1) JP2 (PHN2) JP3 (PHN3) JP4 (PHN4)	A-B	B-C

Table 1.

For the AA38-7xx/8xx units that utilize the AA38-4x subassembly, JP1 – JP4 are set by solder bridge jumpers, which are soldered in the corresponding position. Headphone output impedances can be individually selected on a per channel basis. See Table 2 for solder jumper configurations:

Jumper Ident	Low Impedance (8 Ω) Solder Jumper Setting	High Impedance (600 Ω) Solder Jumper Setting
JP1 (PHN1) JP2 (PHN2) JP3 (PHN3) JP4 (PHN4)	1-2	2-3

Table 2.

2.2 Exterior Labelling

There may be some difficulty in reading the laser labelling of the Headset Level and Mic sensitivity adjustments on the AA38-502/602/702/802. Because the top board is mounted upside down, there could also be some confusion on the numbered sequence of the Headsets. The Line Mode Selection switches are not labelled as to switch direction. Figure 1 below shows the location of the different headset adjustment locations and Figures 2a and 2b show the Line Mode Selection direction. Headset Volume and Sensitivity adjustment instructions are in section 2.5.1 of the AA38-5xx/6xx/7xx/8xx Installation and Operation Manual. Please see Figure 3 for Line Mode Selection instructions.

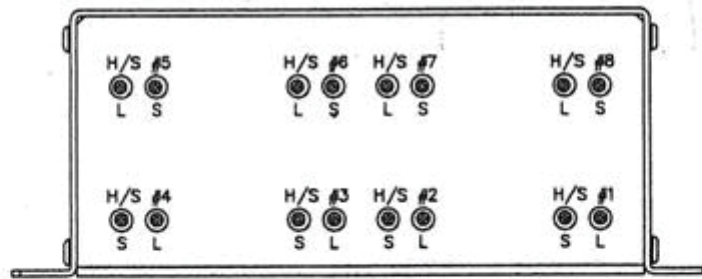
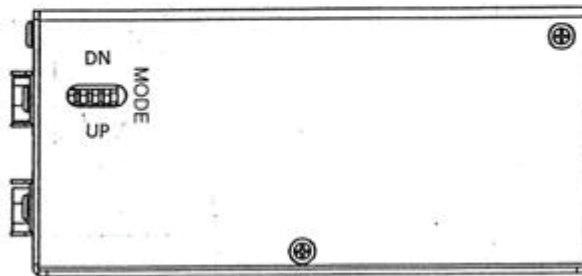
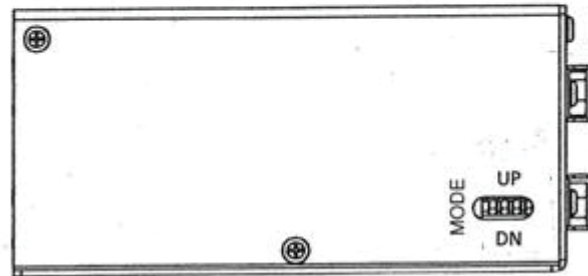


Figure 1



Bottom of Unit

Figure 2a



Bottom of Unit

Figure 2b

Tie Line Mode selection is accomplished by setting the Mode Control switch as shown in Figure 3 below.

TIE LINE MODE Selection	Switch Position
ANDREA Tie Line	<p>UP</p> <p>DOWN</p>
3 NAT Tie Lines (Default)	<p>UP</p> <p>DOWN</p>
4 NAT Tie Lines	<p>UP</p> <p>DOWN</p>

Figure 3: Tie Line Mode Selection



Andrea Tie Line	Switch 2 and 3 (down) Switch 4 (up) Switch 1 has no effect
3 NAT Tie Line	Switch 1 and 4 (down) Switch 2 and 3 (up)
4 NAT Tie Line	Switch 4 (down) Switch 1, 2, and 3 (up)

Note: All other switch combinations are invalid.

End of information bulletin
