



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 751-001 Speaker Amplifier

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Introduction

The Model 751-001 Speaker Amplifier is constructed of 16-gauge cold-rolled steel durable enough for even the toughest industrial environments. This publication includes installation, operation, and maintenance information for the Model 751-001 Speaker Amplifier.

Troubleshooting procedures are also included to help with station adjustment and checkout. Finally, a list of replacement parts is provided should you need to perform repairs to the speaker amplifier.

Installation

To install the speaker amplifier, plug the amplifier into the appropriate enclosure, and tighten the 4 screws in the corners of the amplifier. See Figure 1 for typical installation details.

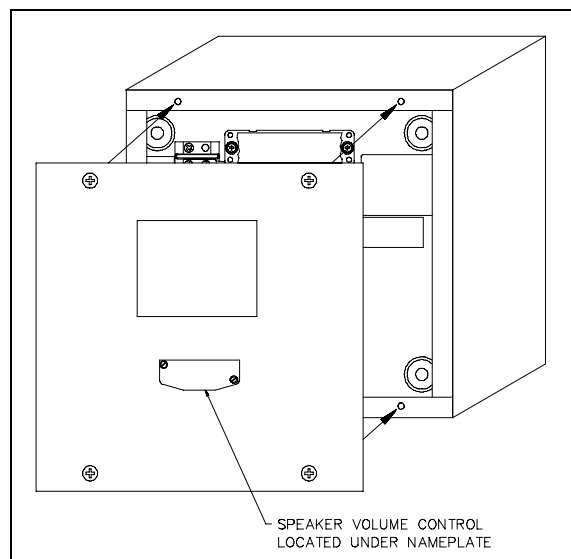


Figure 1. Installation of Speaker Amplifier

ADJUSTMENT

Model 751-001 mates with an enclosure wired directly to a speaker. Model 751-001 provides a speaker volume adjustment, located under the nameplate on the front panel. Refer to Figure 1 for adjustment details.



Maintenance

The following table lists some of the most common difficulties encountered in Page/Party[®] systems. Included are some troubleshooting hints to aid in remedying these problems:

TROUBLESHOOTING

Problem	Solution
Feedback/distortion (a hum or buzz on the line) occurs during all Page/Party [®] station operation.	The line may be improperly terminated. Inspect the system cable for loose connections, shorts, and grounds. Line balance assembly connections are critical.
Associated speaker level requires adjustment.	Adjust the speaker volume control located on the amplifier front panel, behind the nameplate. See Figure 1. Use a small standard screwdriver to perform these adjustments.

Specifications

Power Input (115 V ac)..... Voltage..... 90/140 V ac range, 50/60 Hz
 Power Consumed Zero signal: 10 VA, 4.5 W
 Max. signal: 50 VA, 27 W

Construction/Finish..... 16-gauge cold-rolled steel/gray polyurethane

Speaker Amplifier Output Push-pull, Class B, 12 watts min.,
 with nominal supply voltage

Amplifier Sensitivity 0.5 V ac, for rated output

Frequency Response 250-4,000 Hz, +0, -3 dB ref. to 1 kHz

Distortion 1% max. THD @ 1,000 Hz, 12 watts

Input Impedance 50,000 ohms nominal

Controls..... Speaker volume (adjusted through an access hole
 behind the nameplate on the front panel)

Temperature Range..... -22° F to +158° F (-30° C to +70° C)

Dimensions..... 8.1 H × 8.1 W × 3.0 D inches; (206 × 206 × 76 mm)

Shipping Weight 5.6 lbs (2.6 kg)

REPLACEMENT PARTS

Part Number	Description
10440-002	Maintenance Cable
12508-002	Captive Screw Kit
12523-001	GAI-Tronics Nameplate Kit
12601-001	Standoffs (10 pack)
12604-001	Fuse, Slow-Blow 0.7A (10 pack)
25210-005	Gasket
69701-010	Speaker Amplifier PCBA



Warranty

Equipment. GAI-Tronics warrants for a period of one (1) year from the date of shipment, that any GAI-Tronics equipment supplied hereunder shall be free of defects in material and workmanship, shall comply with the then-current product specifications and product literature, and if applicable, shall be fit for the purpose specified in the agreed upon quotation or proposal document. If (a) Seller's goods prove to be defective in workmanship and/or material under normal and proper usage, or unfit for the purpose specified and agreed upon, and (b) Buyer's claim is made within the warranty period set forth above, Buyer may return such goods to GAI-Tronics nearest depot repair facility, freight prepaid, at which time they will be repaired or replaced, at Seller's option, without charge to Buyer. Repair or replacement shall be Buyer's sole and exclusive remedy, and the warranty period on any repaired or replacement equipment shall be one (1) year from the date the original equipment was shipped. In no event shall GAI-Tronics warranty obligations with respect to equipment exceed 100% of the total cost of the equipment supplied hereunder. Buyer may also be entitled to the manufacturer's warranty on any third-party goods supplied by GAI-Tronics hereunder. The applicability of any such third-party warranty will be determined by GAI-Tronics.

Services. Any services GAI-Tronics provides hereunder, whether directly or through subcontractors, shall be performed in accordance with the standard of care with which such services are normally provided in the industry. If the services fail to meet the applicable industry standard, GAI-Tronics will, for a period of one (1) year from the date of completion, re-perform such services at no cost to Buyer. Re-performance of services shall be Buyer's sole and exclusive remedy, and in no event shall GAI-Tronics warranty obligations with respect to services exceed 100% of the total cost of services provided hereunder.

Warranty Periods. Every claim by Buyer alleging a defect in the goods and/or services provided hereunder shall be deemed waived unless such claim is made in writing within the applicable warranty periods as set forth above. Provided, however, that if the defect complained of is latent and not discoverable within the above warranty periods, every claim arising on account of such latent defect shall be deemed waived unless it is made in writing within a reasonable time after such latent defect is or should have been discovered by Buyer.

Limitations / Exclusions. The warranties herein shall not apply to, and GAI-Tronics shall not be responsible for, any damage to the goods or failure of the services supplied hereunder, to the extent caused by Buyer's neglect, failure to follow operational and maintenance procedures provided with the equipment, or the use of technicians not specifically authorized by GAI-Tronics to maintain or service the equipment. THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES AND REMEDIES, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Return Policy

If the equipment requires service, contact your Regional Service Center for a return authorization number (RA#). Equipment should be shipped prepaid to GAI-Tronics with a return authorization number and a purchase order number. If the equipment is under warranty, repairs or a replacement will be made in accordance with the warranty policy set forth above. Please include a written explanation of all defects to assist our technicians in their troubleshooting efforts.

Call 800-492-1212 (inside the USA) or 610-777-1374 (outside the USA) for help identifying the Regional Service Center closest to you.



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