

Novacron amplifier quick setup and operation instructions

Installation: Place the amps in your system. Connect the preamp cable to the appropriate input connector on the rear of the amp. If you use the RCA input connector, make sure the shorting plug is installed between pins 1 & 3 on the XLR connector or a buzz may result. Verify that the power switch is OFF and connect AC power to the AC input connector on the rear of the amp. Connect the negative speaker cable to the negative output terminal and the positive speaker cable to the Bias Test post.

Setup: Install the tubes in their sockets. The smaller sockets take the 12AT7 tube. All other sockets take the 6C33 output tube (one matched set in front and one matched set in the rear). Engage the STANDBY and verify that the lower and middle LEDs are lit. Turn all bias controls fully counterclockwise. Wait about 5 minutes. The filaments of all tubes should be visibly glowing orange. Engage the ON position of the switch and verify that all LEDs are lit. The amplifier is now fully powered up.

Bias adjustment: Start by adjusting one of the bias controls so that a reading of 200 ma is obtained on the meter (if the meter goes backwards, set the adjacent control instead). Adjust the associated control so the reading goes back to zero. Repeat for the other set of controls. To test the settings the controls must be set back to fully counterclockwise and the procedure repeated. After 30 minutes, reset the bias to 250 ma per tube. This should be checked again at one hour. If the meter fails to respond to a control, check the rear panel 1.5 Amp fuses and/or the associated output tube. A blown fuse indicates a bad tube associated with the control. NOTE: It is impossible to set the bias without knowing the condition of the tubes.

Operation: Remove the positive speaker cable from the bias test post and install on the positive output terminal. Failure to observe this step can result in damage to the meter (which is not covered by warranty) and a loss of sonic quality. The amplifier is now completely operational. The amplifier is designed for continuous operation, but if you are not currently listening, place the amp in standby to increase output tube life and save energy.

Tube Condition: The bias procedure tells you the condition of the tubes. If a tube cannot be set to the correct value after 30 minutes of operation, it or its associated driver is weak. Uncontrollable readings on the meter indicate a short in a tube. Arc-over in an output tube (indicated by a popping sound at the time of failure) may blow a rear panel protection fuse. The tube will be unreliable if this occurs- replacement is indicated.

LIMITED WARRANTY ON ATMA-SPHERE® MUSIC SYSTEMS PRODUCTS

This warranty on your ATMA-SPHERE® MUSIC SYSTEMS product, which is distributed and warranted by ATMA-SPHERE® MUSIC SYSTEMS, shall remain in effect for two (2) years from the date of consumer purchase, provided the enclosed registration form is completed and returned to ATMA-SPHERE® MUSIC SYSTEMS within ten days of purchase.

WHAT IS COVERED:

Except as specified below, this warranty covers all defects in materials and workmanship. The following are NOT covered by the two year limited warranty:

- Tubes are covered for 90 days, with the following exclusions, as per the rest of the warranty:
- Damage occurring during shipment (present claims to carrier).
- Damage resulting from failure or inability to follow proper instructions.
- Damage resulting from the performance of repairs or modifications by other than ATMA-SPHERE® MUSIC SYSTEMS.

WHAT WE WILL PAY FOR:

ATMA-SPHERE® MUSIC SYSTEMS will pay for all labor and material expenses for repairs covered by this warranty.

HOW TO OBTAIN WARRANTY SERVICE:

If your unit requires repairs covered by this warranty, you MUST obtain a return authorization number from ATMA-SPHERE® MUSIC SYSTEMS. You are responsible for transporting the unit to ATMA-SPHERE® MUSIC SYSTEMS, 160 So. Wheeler St., St. Paul, Minn. 55105. You must pay the initial shipping charges, but ATMA-SPHERE® MUSIC SYSTEMS will pay the return charges, if the repairs are covered by the warranty. All products MUST be shipped in the original carton(s) or in replacement cartons supplied by ATMA-SPHERE® MUSIC SYSTEMS. Contact ATMA-SPHERE® MUSIC SYSTEMS for replacement cartons and cost.

LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL DAMAGE OF ANY KIND.

This warranty is not transferable. Implied warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty. This warranty sets forth all expressed warranties made with regard to the above-referenced product. We neither assume nor authorize any other liability in connection with the sale or any shipment of products. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. We reserve the right to make changes and improvements in our products without incurring any obligation to similarly alter products previously purchased.

WARRANTY REGISTRATION FORM

IMPORTANT: This form must be filled out and returned to ATMA-SPHERE® MUSIC SYSTEMS within 10 days of purchase to validate the warranty! Please type or print clearly.

NAME _____

Address _____

City or town _____ State _____ zipcode _____

Country _____

Name of dealership _____

Model _____ Date of purchase _____ serial # _____ price paid _____

Optional section for our records and information:

Comments concerning your dealer _____

Comments concerning this product _____

list the components in your system _____

comments, suggestions _____

MAIL TO: ATMA-SPHERE MUSIC SYSTEMS, 160 So. Wheeler St., St. Paul, MN 55105 USA