Atma-Sphere Music Systems, Inc.

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atma- sphere.com

MA- 1 Silver Edition (Mk.II.3) amplifier setup and operation instructions

Installation: Place the amps in your system. Connect the preamp cable to the appropriate input connector on the front of the amp. If you must use the RCA input connector, make sure a shorting jumper is installed between pins 1 & 3 on the XLR connector else a buzz may result. Verify that both power switches are 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 positive output terminal.

Setup: Install the tubes in their sockets. The front group of five sockets (no cooling holes) take the 6SN7GT driver tube. All others are the 6AS7G output tubes. A total compliment of four driver and fourteen output tubes are required per each chassis. Engage the main power switch (edge of chassis) and verify that the amber indicator lights. In about 15 seconds, the filaments of all tubes should be visibly glowing orange. Wait at least one minute, then engage the standby switch (by the red light) and verify that the red indicator lights. The amplifier is now fully powered up.

Class AB switch: There are two switches on the opposite side of the chassis. The first by the edge of the chassis is the DC Offset test switch and the other is the Class A/AB switch. The state of the amplifier is indicated by the LED: red is Class A and AB is indicated by green. The AB position is handy if your listening is noncritical as the amplifier will produce less heat and more power.

DC Offset adjustment: Depress the Test/Operate switch (at the edge of the chassis, opposite the status indicators). Examine the reading on the meter. Adjust the control so that the meter reads zero (center of scale). The bias is automatic and has no adjustment.

Operation: The amplifier is now completely operational. The amplifier can be left in either standby or operational mode indefinitely. We recommend using the Standby feature if you are not listening to the amp. The warmup character of the amplifier will not be affected.

The MA- 1 will handle a four ohm speaker rather well. But, as for any tube amplifier, a speaker of 8 ohms is recommended. Speakers of less then 8 ohms, or speakers that are less then four ohms in the bass, will not demonstrate all the capabilities of any tube amplifier. All other things being equal, an eight or sixteen ohm speaker will sound better. If you must use a four ohm speaker, be careful to keep the length of the speaker cables as short as possible, and in any event the speaker connections should be as tight as possible. Note that with a tool to tighten the speaker connections on the rear of the amplifier care should be taken not to overtighten and damage the connectors.

Fuses: The first fuse by the power cord entry is the Output section B+ and is 5 Amp Slow (2.5A slow for 235V). The middle fuse is the filament fuse and is 5 Amp Slow (2.5A for 235). The last fuse controls the driver circuit and is .5 Amp slow (.25A Slow for 235 Volt). WARNING! To avoid fire hazard, always replace fuses with same type and rating.

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 three (3) 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 three year limited warranty:

Vacuum tubes are covered for one (1) year, 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, 1742 Selby Av., St. Paul, Minn. 55104. 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 transferable. Warranties of merchantability and fitness for a particular purpose are not implied. 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_____State_____zipcode_____

Country_____

Name of dealership_____

Model _____Date of purchase_____serial #_____price paid_____

Optional:

Comments concerning your dealer _____

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Comments concerning this product _____

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_____

components in your system _____

_____

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_____

suggestions_____

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MAIL TO: ATMA-SPHERE MUSIC SYSTEMS, 1742 Selby Av., St. Paul, MN 55104   USA