



Atma-Sphere Music Systems, Inc.

1742 Selby Av.
St. Paul, MN 55104
651- 690- 2246/FAX 699- 1175
atma- sphere.com

Atma-Sphere M60 Mk.II.3 amplifier quick 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 use the RCA input connector, make sure the shorting plug 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 single row of four sockets take the 6SN7GT driver tube. All other sockets take the 6AS7G output tube. A total compliment of four driver and eight output tubes are required per each chassis. Engage the main power switch (edge of chassis, amber lamp) 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 (right side of chassis) and verify that the red indicator lights. The amplifier is now fully powered up.

DC Offset adjustment: Depress the Operate/Test Switch (edge of chassis in front of tubes). Examine the reading on the meter. If it is NOT zero (above OR below) use the DC offset control to bring the meter to a zero reading. Bias is automatic.

Note: It may not be possible to obtain proper DC Offset readings if there are defective tubes in the amplifier.

Operation: The amplifier is now completely operational. The amplifier can be left in either standby or operational mode indefinitely. Note: Some bluish florescence of the output tubes is normal. Some older 6SN7 tubes may be intermittant in the sockets due to smaller pin diameters used on some older tubes. Note: Some slight amount of buzz may be present with no input connection.

Class AB Switch: Located by the meter switch, the up position is Class A (red led), the down position is Class AB (green led). This position generates less heat and more power at a minor sacrifice of sound quality. It can be operated at any time, but **should be in the Class A position for DC Offset tests.**

Fuses: The first fuse by the power cord entry is the Output section B+ and is 3 Amp Slow (1.5A slow for 235V). The second fuse is for the output filaments and is 3 Amp Slow (1.5A for 235). The last fuse controls the driver circuit and is 0.5 Amp slow (0.25A Slow for 235 Volt). **WARNING!** To avoid fire hazard, always replace fuses with same type and rating.



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LIMITED WARRANTY ON ATMOSPHERE 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:

ATMOSPHERE 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, MN 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. 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 abovereferenced 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.