



## Atma-Sphere MA-2 Mk. 3.2 amplifier setup and operation

### Installation

Place the amps in your system. Connect the preamp cable to the appropriate input connector on the rear 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 connectors 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 middle group of six sockets (no cooling holes) take the 6SN7GT driver tube. The front two positions must have either a new 6SN7 or if you are using NOS tubes, 6SN7GTAs or 6SN7GTBs. The other sockets are the 6AS7G output tubes. A total compliment of six driver and twenty output tubes are required per each chassis. Engage the main power switch (by the amber light) 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 move the Standby Switch to On (red indicator) and verify that the red indicator lights. The amplifier is now fully powered up.

### Meter Switch

Up is for full power and down is for low power. Put the switch in the Low position to read DC Offset.

### DC Offset adjustment

(Meter switch in Low position): Examine the reading on the meter. If it is NOT all the way to the left, adjust the DC offset control to make it so. Note: Normally the DC Offset reading is quite stable. If it has changed substantially, it may indicate that a tube has failed. Also Note: Defective tubes in the amplifier can make a proper DC Offset reading impossible to obtain.

### Operation

At this point the amplifier is now completely operational. The amplifier can be left in either standby or operational mode indefinitely. We recommend using the Standby feature when not listening to the amp to prolong tube life and reduce power consumption. If the amplifier is equipped with a new set of tubes, avoid running the amplifier at high power until the tubes have had some time to settle in, about 10-50 hours.

### Class A/AB Switch

'A' is the best sound, use AB for non-critical listening. The switch can be operated at any time.

### Input Termination

Set to High for most preamps, unless your preamp supports the 600 ohm balanced standard (like an Atma-Sphere preamp), in which case either position can be used to best effect.

### Fuses

The top fuse by the power cord entries is the Filament section and is 8 Amp Slow (4A slow for 235V). It is available usually from electrical contractor houses or Atma-Sphere. The lower fuse is the B+ filament fuse and is the same rating. There are 2 internal fuses as well but failure of them usually indicates a service issue. 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, 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 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 **MA-2 Mk. 3.2** Date of purchase: \_\_\_\_\_ serial # \_\_\_\_\_ price paid: \_\_\_\_\_

Optional:

Comments concerning your dealer: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Comments concerning this product: \_\_\_\_\_

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Components in your system: \_\_\_\_\_

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Suggestions: \_\_\_\_\_

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