



## Atma-Sphere S-30 Mk. 3.2 amplifier setup and operation

### Installation

Place the amps in your system. Connect the preamp cables to the appropriate input connectors on the front of the amp. If you use the RCA input connectors, make sure shorting jumpers are installed between pins 1 & 3 on the XLR connectors 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 cables to the negative output terminals and the positive speaker cables to the positive output terminals.

### Setup

Install the tubes in their sockets. The middle 6 sockets take the 6SN7 driver tubes. All other sockets take the 6AS7G output tube. A total compliment of six driver and ten output tubes are required. Engage the Main Power switch (left side 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 (right side of chassis) and verify that the red indicator lights. The amplifier is now fully powered up.

### DC Offset adjustment/Meter Switch

Move the Meter switch (middle of chassis) to the left. Examine the reading on the VU meter. If NOT all the way to the left, adjust the left control to bring the meter to the lowest reading. Perform the same operation for the right channel, using the right hand control. Return the switch to the center position. The amplifier is now ready to operate.

### Operation

The amplifier can be left in either standby or operational mode indefinitely. If using less than 8 ohm speakers, we recommend the ZERO accessory (see your dealer for details) to allow the amplifier to accommodate the impedance. The amp will give its best performance on 16 ohm speakers. If using an 8 ohm speaker, it is very important the speaker exhibit at least an 8 ohm impedance at all frequencies. In any event, the speaker load should be one known to be easy to drive. Speaker cables can have a rather dramatic effect and you are invited to experiment.

The middle position of the Meter switch reads both channels at once. The scale is relative; full scale is roughly 30 watts but due to signal differences between left and right the meter may read higher than actual power. Full scale is 1 watt on the other switch positions.

### Fuses

The closest fuse to the AC connector supplies power to the amplifier's output section, and is 5 Amp on 117 Volt models, 2.5 amps on 235V. If the amp lights up but otherwise appears to be dead, check this fuse.

The middle fuse supplies power to the output tube filaments, and is 5 Amp on 117 Volt models, 2.5 amps on 235V. The third fuse supplies power to the driver supply and is 0.5 Amp on 117 Volt models, .25 amps on 235V. Failure of this fuse indicates service of the amplifier chassis is required.



#### 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 **S-30 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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