

Wright Audio

Oasis Monaural Power Amplifiers Instructions

Please take a few moments to read this manual. Doing so will enable you to thoroughly enjoy your new amplifier's functions. But first some cautions. Most are common sense, but are here as reminders. They apply to most tube and solid-state amplifiers, and are not specific only to this product.

CAUTIONS

1. Connect the unit to an electrical outlet providing 60 cycles AC and the voltage marked on the back panel. The unit will operate satisfactorily when operated within 5% of that shown on the unit. Any other voltage will void the warranty.
2. These units have been supplied with a 3-prong grounding plug. This arrangement is utilized as an added measure of safety. Do not defeat its purpose in any way. The power cord should be unplugged from the AC outlet when the unit will not be used for an extended period of time.
3. The unit must not be exposed to excessive moisture.
4. The tubes become **very hot** in normal operation. Touching them can result in a minor burn.
5. Never connect or disconnect the input cables while the power amplifier is turned on. Doing so may damage the speakers. Do not operate the amplifier without speakers connected.
6. The small tubes **must** be replaced at the end of their useful **listening** life, which is about 4000 hours, or approximately 5 years of 'average' use. The output tubes must be replaced before 2000 hours. Operation past these points will likely not provide quality sound. Wright Audio supplies the proper replacement tube types at reasonable prices.
7. **Do not open the covers. Lethal voltages exist within, even when the power cord is disconnected from the outlet. Preferably, it should be returned to Wright Audio if there is a malfunction. Breaking the Warranty seals without instruction from Wright Audio voids the Warranty.**
8. Always install tubes of the identical numbers shown on the unit's back plate or on the enclosed sheet and into the positions shown. Inserting any other tube number may damage the tube and possibly the amplifier. If in doubt of a suitable tube type to use, please contact us.

INSTALLATION

LOCATION

Locate the amplifiers so that children and pets can not inadvertently touch the tubes. Locate them where there is adequate ventilation – at least 5 inches of space above them.

TUBE INSTALLATION

Do not plug the amplifiers in yet. Be sure the power switch is in the 'Off' position (downward). Insert the tubes as marked by the numbers on the tubes on the enclosed sheet or by the diagram on the back cover of the amplifier.

Align the 'key' on the post of the larger output tubes with the socket 'key'. Grip the tubes by the lower base section (not the glass) and press them gently but firmly all the way down into the tube sockets, without rocking them back and forth excessively. Doing so may break the tubes' bottom post.

CAUTION

Due to manufacturing tolerances on both the tube and the socket, it may be possible to inadvertently misalign the keys and still fully insert the tubes. This may result in costly repairs. Always make absolutely sure the post and the socket key is correctly aligned before inserting. The Warranty does not cover user negligence.

When removing the large tubes, always grasp and pull them out by the bottom section of the tube, not by the glass.

Avoid touching the glass on the larger tubes as oils from the skin can cause a burning smell after the tubes warm up.

With the miniature tubes, the gap in the pins indicates the correct alignment. Again, avoid rocking the tubes back and forth excessively since doing so may crack the glass.

INPUT CONNECTIONS

Connect shielded interconnecting wires from the outputs of the Wright Audio Preamplifier to the sockets marked 'A' on the back panel of each of the power amplifiers.

Input 'B' of the amplifiers is for use with any preamplifier or other suitable device which is **not** a Wright Audio Preamplifier.

In order to prevent possible damage to your speakers, never connect or disconnect any power amplifier from the preamplifier while the AC power is on.

SPEAKER CONNECTIONS

Connect the RED or 'PLUS' amplifier's connection corresponding with the 4 or 8 ohm speaker impedance to the RED or PLUS speaker's connection and the BLACK or 'MINUS' connection of the amplifiers to the BLACK or MINUS speaker connection.

Never operate the amplifier unless speakers are connected to its output.

AC POWER CONNECTION

Connect the detachable AC cords from the power amplifiers to sockets supplying the voltage marked on the rear panel of the amplifiers.

OUTPUT TUBE BIAS PROCEDURE

Adjusting the bias properly so that each tube operates efficiently by matching the other tube preserves peak performance, keeps distortion at an absolute minimum and provides longer tube life.

Because this amplifier allows for the control of each output tube's bias independently, it is not absolutely necessary to purchase matched sets of output tubes if only one tube should fail. However, optimum performance will be obtained if matched sets are installed. Wright Audio supplies the proper matched replacement tubes tested for your unit.

The bias must always be adjusted when changing output tubes either individually or as a set. As the output tubes age, each may begin to draw a different amount of current, so the bias should be checked and adjusted about every six months or more frequently with greater use.

It is not our intention to imply that the BIAS ADJUSTMENT is a fiddly maintenance procedure. In fact, the bias setting is NOT extremely critical. However, it is more important that the output tubes show the same readings rather than drifting from the stated optimum readings.

There may be some drifting of the bias caused by fluctuations in the line voltage but these will have no effect on the performance of the amplifier.

1. Be sure a speaker is attached to the output of the power amplifier and the preamplifier is connected to the input, but leave the preamplifier's power **off**, or be sure there is no signal at the power amplifier by turning the preamplifier's volume control all the way down.

2. The adjustment for each of the output tubes is located directly behind each tube. **Before turning the amplifier on**, turn both bias adjustment controls fully to the **left** (counterclockwise).
3. Turn the Power switch on and allow the amplifier to run for about 5 minutes.
4. SLOWLY turn the bias adjustment knob clockwise while simultaneously pressing the test button in front of the tube until the meter reads the correct amount. Repeat the process for the other tube.

It will be necessary to repeat the adjustment for the left tube and right tube again respectively as the adjustments interact slightly.

Check the bias of each tube again after about a half-hour.

If in the course of the bias setting procedure it is found that the control range is insufficient to obtain the correct setting, do not operate the amplifier until the cause of the difficulty has been established.

GENERAL OPERATING NOTES

Although your Oasis Power Amplifier has been thoroughly tested, your units will require 2 or 3 days of operation approaching 2 hours per day before it begins to sound its best. Also, if the system has been stored or inoperative for a long time or you change interconnecting cables or other components, then these situations may require a day or two of 'break-in' time for the entire system to sound its best.

Operate your Oasis Music System only when you are actively listening to it. Unlike solid-state equipment, Wright Audio equipment reaches its optimum listening quality in about 15 minutes, and it is simply a waste of power and tube life to leave it on any longer than necessary.

TROUBLESHOOTING

The Wright Audio Music System has been designed to be as free from trouble as possible. However, a couple conditions may affect a unit's operation or make it inoperative.

TUBE PLATE 'GLOWING'

If you notice either one or both of the power amplifiers' large output tube plates (the gray, chimney-shaped structure inside the tube) glow a dull to bright red color at any time, **do not continue to operate the amplifier in this condition, as other parts may be damaged.**

If **one** of the tube's plate is glowing abnormally, replace the defective tube and follow the biasing instructions again from the beginning.

In the unlikely event **both** output tubes are glowing abnormally, quickly check the bias settings and if they can't be corrected, immediately turn off the amplifier and refer servicing to Wright audio. Do not attempt to operate the amplifier again.

FUSE FAILURE

If the fuse fails, it is likely that one of the output tubes is defective as described above. Never replace it with a higher rating or different type. Spare fuses have been supplied with your units.

However, if the fuse fails again after replacing the tube and rebiasing the amplifier, the unit should be returned to Wright Audio for servicing.

NOISE

Isolating the source of the noise can be accomplished by inserting "shorting plugs" to both inputs of the power amplifier. If the noise is eliminated, the problem is with a source component, the preamplifier or the interconnecting cable.

Any noise or hum encountered during the life of the power amplifier units will normally be traced to dirty or otherwise poor connections at the input/output jacks, faulty tubes, or poor tube pin-to-socket connection.

The best remedy is to apply isopropyl alcohol to a foam swab which can be used to clean the connection. Do not use spray-type contact cleaners on the tube sockets or around the interconnect cable connections as this may damage the finish or parts.

Liberal application of cleaner to the tube pins which are then inserted in the tube sockets usually cures any noise originating at this source. The application may need to be repeated for successful results.

IN CASE OF A PROBLEM OR QUESTION

Your product was designed for at least a lifetime of operation with ordinary common sense care, occasional tube replacement and relatively minor service. Please accord it with the same care as you would a fine camera. However, damage can occur during shipping or in storage conditions where mechanical shock and extremes of temperature or humidity can render the unit faulty. Neither of these exposures may be visible to the eye.

Your continued satisfaction with our products is extremely important to us. We will be happy to answer your questions pertinent to the installation and operation of your unit. Please feel free to contact us in the event of any difficulty and we will endeavor to provide prompt service. If the problem cannot be resolved through our combined efforts, we may wish to authorize the return of your unit to us.

In the event the unit must be returned, an authorization number will be forwarded to you. This number must be placed on the outside of the return box to identify it and avoid unnecessary delay. **Under no circumstances should your unit be shipped to Wright Audio without authorization or it will be refused.**

Please pack it carefully in the original packing, if available. If not available, the unit must be double-boxed, allowing at least 3 inches of space all around between inner and outer box.

Ship prepaid via UPS or Fed Ex only. Be sure to insure the shipment for the full original cost. Collect shipments will not be accepted.

PLEASE READ THE WRIGHT AUDIO SERVICE PROTECTION PLAN

(Applicable to U.S. customers only.)

at:

www.WrightAudioArts.com/support.htm