



Mini Amplifier
Single-Ended Integrated Amplifier

INSTRUCTIONS FOR OPERATION

PLEASE READ BEFORE PLUGGING IN THE UNIT

Welcome!

The Wright Audio Integrated Amplifiers incorporate advanced circuit characteristics and parts, which have been chosen based on sonic quality and reliability.

Please take a few moments to read this manual. Doing so will enable you to thoroughly enjoy your new amplifier's sonic quality and fully utilize its versatility. First, a few cautions. Most are common sense, but are here as reminders. These apply to all tube and most solid-state amplifiers and are not specific only to your Wright Audio Amplifier.

1. Never operate the amplifier unless speakers are attached to its outputs.
2. Do not attempt to connect a subwoofer crossover / amplifier / speaker to the speaker terminals.
3. Never switch or disconnect input cables while the amplifier is on AND the volume turned up. Doing so may damage your speakers.
4. Any modifications to the amplifier's circuitry voids the warranty. Tampering with the warranty seals voids the warranty.
5. Tubes must be replaced at the end of their useful listening life, which is about 2000 hours, or approximately every 2 to 3 years of 'average' use. Operation past this point increases the risk of complete tube failure which may require amplifier repair.
6. The tubes get hot in normal operation. Touching one can result in a minor burn.
7. Do not attempt to change or remove a tube while the amplifier is on.
8. This amplifier utilizes a vacuum tube rectifier, the GZ34 / 5AR4. Whenever the amplifier has been turned off, wait at least 5 minutes before turning the amplifier on again to allow it to cool. Not doing so stresses the tube.
9. Always install tubes of the identical numbers as shown on the sticker on the amplifier's bottom plate. Inserting ANY other tube number will cause unsatisfactory operation and will probably damage the amplifier. Tube numbers are always shown on the tube and tube box.
10. Do not open the bottom cover of the amplifier. Lethal voltages exist within, even when the power cord is disconnected from the socket. Only a qualified service technician familiar with vacuum tube technology must service your amplifier. Preferably, it should be returned to Wright Audio if there is a malfunction.
11. Connect the unit to an electrical outlet providing 50 to 60 cycles AC and the voltage marked on the amplifier.
12. This unit has been provided with a 3-prong grounding plug. This arrangement is utilized as an added measure of safety.

13. The power cord should be unplugged from the AC outlet when the unit will not be used for an extended period of time.
14. The unit must not be exposed to excessive moisture. Never use any more than a soft cloth lightly moistened with water to clean the unit. Never use solvents. Unplug the unit from the AC power before cleaning.

INSTALLATION

1. Position the amplifier so that children or pets can not inadvertently touch the tubes.
2. Locate the amplifier where there is adequate ventilation --- at least 4 inches of space above it.
3. To minimize the chance of hum, place it away from other units' power transformers and motors.
4. Be sure the amplifier's power switch is in the 'Off' position and insert the tubes as marked by numbers on the tubes and on the bottom of the amplifier. Take care to align the 'key' at the base of the GZ34/5AR4 tube with the socket 'key'. Insert the large tube by placing the finger around the base of the tube and refrain from handling them by the glass. With the miniature tubes, there exists a gap in the pins which indicates the correct alignment. Be sure to press the tubes gently, but firmly all the way down into the tube sockets.
5. Insert the appropriate RCA plugs to the amplifier inputs. Make sure the RCA plugs are fully inserted into the jacks with the outer skirt of the RCA plug tight around the socket. It may be necessary to very slightly squeeze this ground connection with your fingers or pliers to ensure a tight fit to the socket.
6. When connecting the speakers, be sure to observe the POLARITY of the connections so they are both are the same.
7. If 2 or more components are used in a stereo / video installation which are supplied with AC 3-prong grounding plugs, it is desirable that one of the two grounding plugs be 'lifted' from the wall ground so as not to create a 'ground loop' causing excessive hum through the speaker. Use a '3-prong to 2-prong' AC wall adapter on ONE component's AC power cord only.

INPUTS

The 2 inputs are electrically identical and are interchangeable. Any analog source other than a magnetic phono cartridge may be used.

GENERAL OPERATING NOTES

When new, your unit will require 2 or 3 days of operation about 2 hours per day before it 'breaks in' and begins to sound its best.

The small controls beneath the Volume Control adjust the individual Left and Right channel levels. Normally, they are kept fully clockwise where they are nearly out of the signal path. Reducing one channel or the other will adjust the volume balance between the channels, and turning both counterclockwise will adjust for overly high-output source devices and/or extremely efficient speakers.

Operate your Wright Audio amplifier only when you are actively listening to it. Unlike solid-state equipment, Wright Audio's equipment reaches its optimum listening quality in about 10 minutes, and it is simply a waste of power and tube life to leave it on more than necessary.

In the course of operation, if either of the EL84 / 6BQ5 plates (the gray, chimney-shaped structure inside the tube) glows a dull to bright red color soon after warmup or suddenly during operation, it is probable that the tube is defective. **Turn the amplifier off immediately and do not continue to operate it with a defective tube as other parts will be damaged, requiring return of the amplifier to Wright Audio.** If tube substitution does not solve the problem, refer servicing to Wright Audio. If one output tube fails, the replacement should match the other tube's manufacturer and type for satisfactory operation.

Wright Audio supplies suitable matched sets of replacement tubes at reasonable prices. Contact Wright Audio.

TROUBLESHOOTING

The unit has been designed to be as free from trouble as possible. However, a couple conditions may occur which may affect the amplifier's operation or make it inoperative.

FUSE FAILURE

If the fuse fails, it is likely that one of the output tubes is defective as described above. If the fuse fails again soon after its replacement or after a defective tube is replaced, please contact Wright Audio.

NOISE

Any noise or hum encountered during the life of the amplifier will normally be traced to dirty or otherwise poor connections at the input/output jacks, faulty tubes, poor tube pin-to-socket connection or a system 'ground loop'. The best remedy is to apply isopropyl alcohol to a cotton swab which can be used to clean the connection. Do not use spray-type contact cleaners on the tube sockets or around the connections at the rear of the amplifier as this may damage the finish or parts. For a ground loop issue, be sure not more than one component is connected to the AC socket with a 3-prong plug.

IN CASE OF A PROBLEM OR QUESTION

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. If the problem cannot be resolved through our combined efforts, we may wish to authorize the return of your unit to us.

UNDER NO CIRCUMSTANCE SHOULD YOUR UNIT BE SHIPPED TO WRIGHT AUDIO WITHOUT AUTHORIZATION. Ship PREPAID via UPS or FEDERAL EXPRESS only. Be sure to INSURE the product for the full replacement cost. COLLECT shipments cannot be accepted.

Pack the unit in the original boxes, if available. If not, be sure to pack with at least 3 inches of packing material around the amplifier. Complete return instructions are at www.WrightAudio.us

Wright Audio

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