

Wright Audio

LT - 6P

Stereo Control Preamplifier Instructions

Please take a few moments to read this manual. Doing so will enable you to thoroughly enjoy your new preamplifier's quality and fully utilize its versatility. But first some cautions. Most are common sense, but are here as reminders. These cautions apply to most tube and solid-state audio components, and are not specific only to this product.

IF USING WITH A SOLID-STATE POWER AMPLIFIER

This preamplifier has been designed not to produce signal transients during start-up or shut down. However, a faulty part or other condition may cause a transient to be passed to a power amplifier. To avoid costly damage, it's best to be in the habit of turning the preamplifier on first and letting it warm up for a minute before you turn on your power amplifier.

When shutting down, it is best to turn off the power amplifier before the preamplifier. There are component automatic power sequencers available for this purpose.

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 **warm to hot** in normal operation. Touching them may result in a minor burn.
5. Never switch or disconnect the output cables while the system is turned on. Doing so may damage your speakers. If you must switch input cables, be sure the preamplifier's volume control is turned all the way down.
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. Operation past this point will likely not provide quality sound. The 5AR4 tube should last significantly longer. Wright Audio always supplies the proper replacement tube types at reasonable prices.

7. **Do not open the cover. 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 cover's Warranty seals without instruction from Wright Audio voids the Warranty.**
8. Always install tubes of the identical numbers as shown on the unit's bottom plate or on the enclosed sheet. Inserting any other tube number may damage the tube and possibly the preamplifier. Tube numbers are always marked on the tube. If in doubt of a suitable tube type to use, please contact us.

INSTALLATION

The acrylic tube shields have been provided for partial protection from children and pets as well as accidental damage.

Make sure the unit is unplugged.

1.) Install the tubes in their sockets using the guide supplied with the unit or on the label on the bottom.

CAUTION

Take care to align the gap in the pins on the small tubes which indicates the correct alignment before inserting. Be sure to press the tubes gently but firmly all the way down into the tube sockets. Do not rock the tubes back and forth excessively as that may crack the glass.

The large, octal-based tube has a raised 'key' in its center post to indicate the alignment.

Due to manufacturing tolerances on both the tube and the socket, it may be possible to inadvertently misalign the key and still fully insert the tube. This may result in costly repairs. Always make absolutely sure the post key and the socket key is correctly aligned before inserting.

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

2.) Position the preamplifier with its back facing you, center and install the shields in the slots starting from the front of the preamplifier and moving in succession towards the back. A small slotted screwdriver may be used, but only secure to less than 'finger tight'. The screws do not need to be tight, only snug to hold securely. Use a small coin such as a dime to secure the screws for the 5AR4 shield.

3.) Locate the unit so there is adequate ventilation, with at least 3 inches of space above it.

INPUTS

Insert the appropriate plugs to the preamplifier's inputs. The inputs are all electrically identical and are interchangeable.

NOTE: Always make sure the RCA plugs interconnecting the preamplifier, all other components and the power amplifier are always **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. This is important to check even with new cables as manufacturer's tolerances vary.

OUTPUTS

FIXED LEVEL OUTPUTS 1, 2

Connect the **inputs** of one or two recording devices, a headphone amplifier with volume control, audio-video 'pass-through' or any other suitable device not requiring a volume control to these outputs.

The front panel Fixed Level Output switch directs the signal from the input selector to each of the two outputs to prevent interaction from the external devices and also serves to isolate the outputs from the rest of the amplification chain. When not using these outputs, leave this switch in the 'Off' position. The preamplifier does not need to be powered on to activate these outputs since they are completely passive.

MAIN OUTPUTS

Each of these outputs is electrically identical and can be used interchangeably, but are electrically isolated from each other. This makes them suitable for connecting both a main power amplifier and a crossover / subwoofer system. Each output can drive up to about 50 feet of low-capacitance cable.

CHANNEL VOLUME PRESETS BASS, TREBLE CONTROLS

The small controls beneath the Volume Control adjust the individual Left and Right Channel levels. Normally, they are preferably kept always fully clockwise where they are nearly out of the signal path. Reducing the level of one channel or the other will adjust the volume balance between the channels, and turning both counterclockwise will adjust for higher-output source devices, higher-gain power amplifiers and / or very highly efficient speakers.

For best sonics, the Bass and Treble controls operate passively and differently than other types. **The controls are in the Flat or Neutral position when the controls are pointed towards the largest dot.**

GENERAL OPERATING NOTES

When it's new and like most other components, your unit will require 2 or 3 days of operation about 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 if you change interconnecting cables or other components, these situations may require a day or two of 'break-in' time for the entire system to sound its best again. This is true for any high-performance audio system.

Operate your LT - 6P Preamplifier 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

FUSE FAILURE

If the fuse fails, never replace it with a higher rating or other than a 'SLO-BLO' type. If the fuse fails more than once consecutively, the 5AR4 tube should be replaced. If the fuse fails again after the replacement, the unit should be returned to Wright Audio for servicing.

NOISE

Noise can originate from any electrical component in the system including the interconnecting cables or in the quality of the household AC power. Be sure you have eliminated all other possible sources of noise by substitution or isolation of the components and cables before contacting Wright Audio.

Any noise or hum caused by the preamplifier during the life of the unit will normally be traced to dirty or otherwise poor connections at the input / output jacks, faulty cables, defective tubes, poor tube pin-to-socket connection or worn controls and switches.

For poor RCA cable connections, the best remedy is to apply isopropyl alcohol to a cotton or preferably a foam swab which can be used to clean the connection.

Liberal application of cleaner to the **tube pins** which are then inserted in the tube sockets usually cures any noise originating at this source. **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.**

The application may need to be repeated for successful results.

TUBE REPLACEMENT

Replace the tubes only with the numbers as shown on the bottom of the preamplifier or with the supplied sheet. Always be sure the unit's power has been turned off and wait for the tubes to cool.

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 the original packing is 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