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***Rogue Sixty Six***  
***Vacuum Tube Preamplifier***  
***Owners Manual***



***Vacuum Tube Amplifiers***

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## INTRODUCTION

Congratulations on your purchase decision! We at Rogue Audio truly believe that our amplifiers and preamplifiers provide the “smartest” value in high-end audio. If you have never owned a vacuum tube preamplifier you will be thrilled by the silky-smooth sound and incredible detail that only a tube preamp can provide. We at Rogue Audio are extremely proud of our products and want you to enjoy them to their fullest potential. So please, take the time to read through this short manual so that you can be confident that you have set up your new preamp properly.

## SETTING UP YOUR PREAMPLIFIER

**tools required:** phillips head screwdriver and a clean glove

**WARNING - This preamplifier uses and generates voltages that could cause injury or death. Never open the amplifier while it is plugged in, and always wait at least one hour after turning the unit off to unplug and open the unit. *Lethal* voltages can remain in the electronics after the unit is unplugged**

- 1) *Opening the box* - Carefully remove the preamplifier and power supply from the box. It is important that you retain the packing material and box in the event that the amplifier ever needs servicing. The packing material and box have been carefully designed to protect your valuable equipment during shipping so you don't want to throw them away!

- 2) *Connecting the power supply* - Carefully plug the black six pin connector coming from the power supply into the rear of the preamplifier. See Figure 1. Connect the IEC end of the detachable power cord to the power supply, and plug the opposite end into the wall outlet.

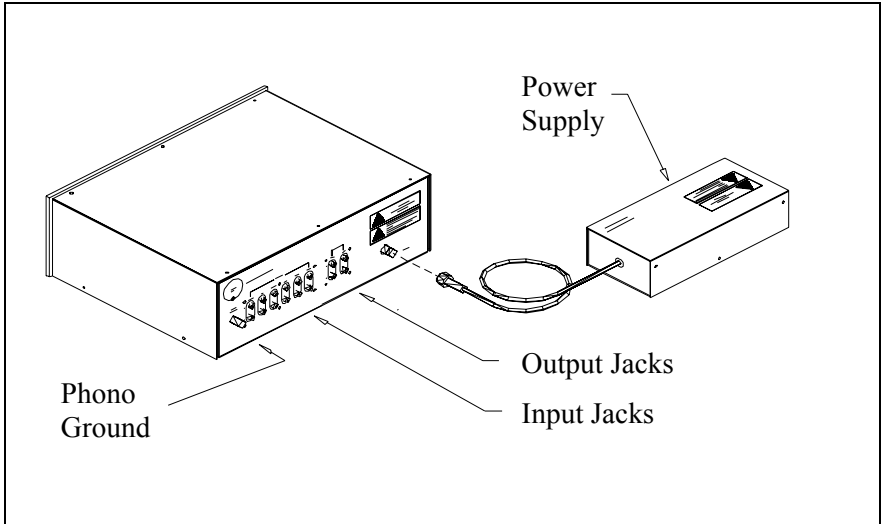


Figure 1

- 3) *Placement of the preamplifier* - The preamplifier is the “brains“ of your system and will have the greatest number of interconnects. Therefore, the preamplifier should be located such that it is accessible for cabling between itself and all other relevant pieces of equipment. NEVER place another piece of equipment on top of the preamplifier and be sure to leave adequate space (three inches or more) on the top, sides and rear for air flow. The external power supply should be placed as far away as possible from any other components or cables.

- 4) *Connections to other components* - Connections are shown in Figure 1. The input connections for source material (phonograph, CD player, tuner, tape recorder) are made via RCA auxiliary jacks are also available for line level sources (approximately 1 volt). A five way lug is also provided for grounding the turntable to the preamplifier. The outputs to the power amplifier and tape recorder are arranged to the right of the input jacks. The tape output (as shipped) is passive, however it can be configured as an active outputs for powering a subwoofer or second amplifier. To do so, remove the cover and find the two small black slide switches on the rear (RCA jack) circuit board. Refer to figures 2 and 3 for approximate locations of these switches. The two positions are labeled “A” for active and “P” for passive modes. Simple slide the two switches to the “A” position and the tape output will become active.

**WARNING : If unit has been powered up, you must turn off the switch and wait at least one hour before disconnecting the electrical cord. After doing so, the unit may be unplugged and the top cover removed. This time is required for dangerous voltages to dissipate to ground.**

- 5) *Polarity* - The Rogue sixty-six preamplifier is an inverting amplifier (positive signal in gives negative signal out) so, for best sound, care should be taken to ensure correct polarity at the speaker terminals. If your power amplifier is also inverting, then connect the positive (+) outputs of your power amplifier to the positive(+) terminals of the loudspeakers and the negative (-) outputs to the (-) negative loudspeaker terminals. If your power amplifier is non-inverting, then connect the positive outputs (+) of your power amplifier to the negative (-) loudspeaker terminals, and the negative outputs (-) to the positive (+) loudspeaker terminals. If you are unsure as to the polarity of your power amplifier, check the owners manual or contact the manufacturer. If all else fails, try both connections and listen to which sounds better (do this using several different recordings as not all recordings are made with correct phase).

## OPERATING YOUR PREAMPLIFIER

- 1) *Delays*- Note that the Rogue Sixty-six is equipped with a slow turn-on feature that protects other equipment from dangerous transients at turn-on as well as significantly prolonging tube life. This feature is provided via several timing circuits that allow the tube filaments to reach operating temperature before turning on the high voltage supply. The outputs are muted during this sequence and then opened after turn-on transients have been safely dissipated to ground.
- 2) *Powering up the system* - First turn on the preamplifier by pushing in the “power” button. The red LED will light after several seconds. After approximately 10 seconds, the high voltage supply will turn on. After an additional ten seconds, the outputs will disconnect from ground and the preamp is ready. After turning on the preamplifier, turn on the power amplifier and source material and you are ready for listening.

**Note : This unit will not play for approximately 20 seconds after power on while tubes warm up.**

- 3) *Switches and Controls* - The Rogue Sixty-six is equipped with volume, balance, source, power, mute, (and record on phono version only).
  - Volume - gain adjustment from 0- 23 dB
  - Balance - full left and right channel attenuation
  - Source - selects source material (CD, phono, tape, tuner, aux1, aux2)
  - Power - on/off operation
  - Mute - leaves preamplifier on while muting output
  - Record - must be pressed in while taping, isolates tape player when not taping .
- 4) *Remote Volume Control* - The Sixty-Six LSR (line stage remote) is equipped with an analog remote volume control feature. The volume may be adjusted manually using the knob on the front panel, or by using the remote control provided.

- 5) *Leaving the System Running* - Unlike many solid state amplifiers, the Sixty-Six preamplifier should not be left turned on when not in use. To prolong tube life, turn off the unit when not being used.

## MAINTENANCE

The Rogue Sixty Six has been designed to provide many years of enjoyable and reliable service. The greatest care has been taken to select vacuum tubes that provide superior sound and ensure long life. In addition, this unit utilizes a slow turn on feature which helps prevent cathode stripping during power up. This feature will greatly increase usable tube life.

### **Replace Tubes by :**

- 1) Removing the top cover by unscrewing 10 screws.
- 2) Using a glove or cloth, carefully remove the tubes from their sockets.

**WARNING : If unit has been powered up, you must turn off the switch and wait at least one hour before disconnecting the electrical cord. After doing so, the unit may be unplugged and the top cover removed. This time is required for dangerous voltages to dissipate to ground.**

- 3) Obtain and insert a new set of tubes. It is recommended that a new set of tubes be obtained from Rogue. If tubes are obtained from another source, follow the diagram in figure 2 or 3 for tube type.
- 4) Insert new tubes in sockets using a glove or cloth. See figure 2 or 3 for locations.

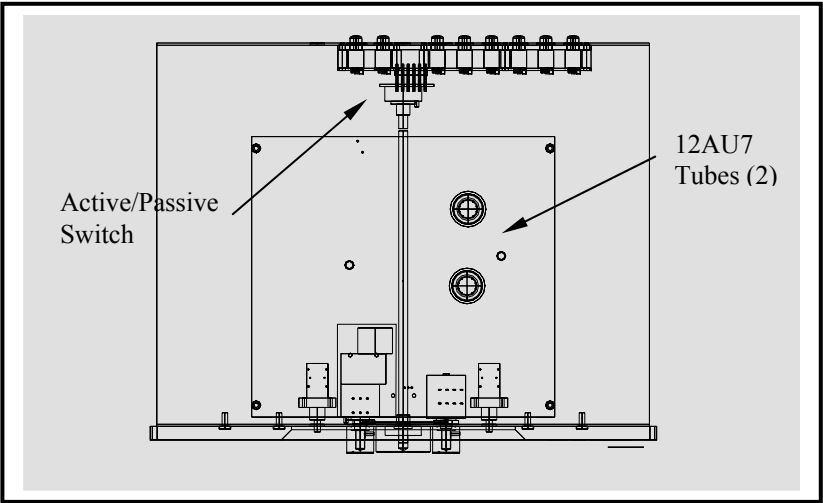


Figure 2 Sixty-Six LSR

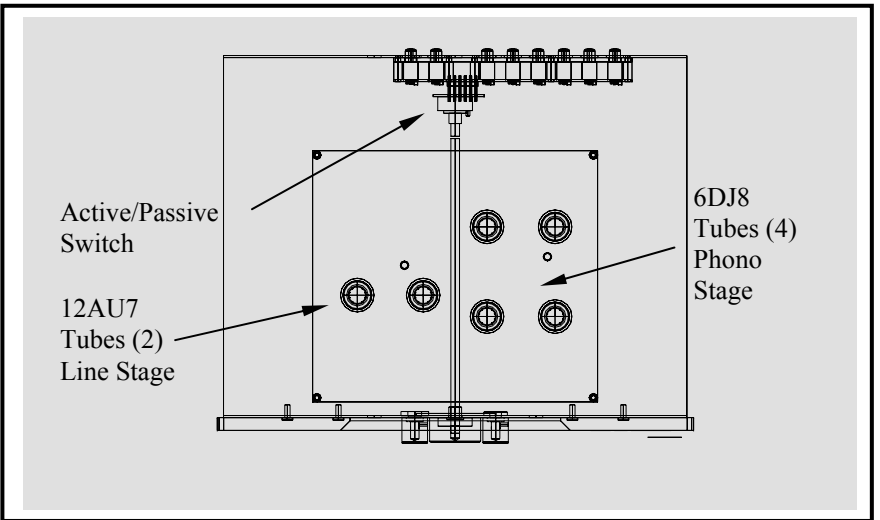


Figure 3 Sixty-Six Phono



## **IF THERES A PROBLEM**

Below is a checklist of problems that may be encountered.

- 1) Check that power connections are secure, both main power cord and 6 pin connections from power supply to preamplifier.
- 2) Check that all input and output signal connections are secure.
- 3) Ensure that all tubes are properly seated in sockets.
- 4) *If these do not clear up the problem, please call Rogue Audio Technical Support at 570-992-9901.*

## SPECIFICATIONS

frequency response	10Hz - 100kHz $\pm$ 1dB
THD	< 0.1%
gain - line stage	23 dB
gain - phono stage	40 dB
rated output	1.5 V RMS
maximum output	50V RMS
RIAA accuracy	$\pm$ 0.25dB
dimensions	14" W x 5 1/2" H x 10 3/4" D
power requirements	115/230V - 50/60Hz

## Limited Warranty

### Warranty Period

This product has been manufactured under the highest standards of quality and workmanship. Rogue Audio Inc. (hereinafter “Rogue Audio”) warrants this product against defects in material or workmanship as follows:

With the exception of vacuum tubes, Rogue Audio warrants to the consumer all parts of this product against defects in material and workmanship for a period of three years from the date of retail purchase. Rogue Audio warrants the vacuum tubes for a period of six months from the date of retail purchase. Any defective parts will be replaced free of charge, excluding shipping and handling.

Proof of purchase in the form of a bill of sale or recited invoice which indicates that the product is within the warranty period must be presented to obtain warranty service. Rogue Audio suggests that the purchaser retain the dealers bill of sale as evidence of the date of retail purchase.

**What’s Not Covered** This warranty does not cover cosmetic damage or any damage that results from product misuse, product abuse, installation error, connection to an improper voltage supply, accident, improper maintenance, alterations, modifications not authorized in writing by Rogue Audio, lightening, power surges, or acts of God. Use of any other than Rogue Audio factory parts may void this warranty. This warranty does not cover the cost of parts and labor which would be otherwise provided without charge under this warranty, obtained from any source other than Rogue Audio.

This warranty applies only to consumer use of this product and does not cover any product that is used in any trade or business, or in an industrial or commercial application.

This warranty is valid only in the United States.

#### **YOUR RIGHTS**

ROGUE AUDIO LIMITS ITS OBLIGATIONS UNDER ANY IMPLIED WARRANTIES UNDER STATE LAWS TO A PERIOD NOT TO EXCEED THE WARRANTY PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

#### **To Obtain Service**

To obtain service, you must contact Rogue Audio and obtain a return authorization number, The product must be delivered to Rogue Audio in its original packaging prepaid at the following address:

**Rogue Audio Inc.  
3 Marian Lane  
Brodheads ville, PA 18322**

## THE ROGUE AUDIO MISSION .....

At Rogue Audio we design and manufacture vacuum tube amplifiers. There is fierce competition in this market and we will only survive by delivering a superior product and superior service - we have the engineering and managerial talent to do so. Our core competencies are electrical, mechanical and production engineering, along with an overarching passion for excellence. These skills will be used to create products that offer outstanding value in the high-end marketplace.

Rogue Audio amplifiers will always be engineered to provide the four key elements of audio value:

- *superior sonics*
- *high quality and reliability*
- *an outstanding appearance*
- *an affordable price*

Our philosophy is simple - We will never design any amplifier that we would not purchase for ourselves.

**Rogue Audio Inc.**  
**3 Marian Lane**  
**Brodheadsville, PA 18322**