Rogue RA-1

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INTRODUCTION

Congratulations on your purchase decision! We at Rogue Audio truly believe that our amplifiers provide the "smartest" value in high-end audio. If you have never owned a Rogue amplifier you will be thrilled by the musical, accurate, and dynamic sound and incredible detail. At Rogue Audio we 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 amplifier properly.

UNPACKING YOUR AMPLIFIER

Tools required: none

> **WARNING - This amplifier uses 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.**

Your amplifier has been painstakingly inspected for cosmetic flaws during and after assembly. In order not to damage the cosmetic appearance of the amplifier it is important that you follow the unpacking instructions carefully.

1. Carefully lift the amplifier out of the box, and remove the foam pads and plastic bag.

2. Save the packing materials. The packing materials and box have been carefully designed to protect your valuable equipment during shipping so you don't want to throw them away.

HOOKING UP YOUR AMPLIFIER

Stereo vs Bridge Mode:
There is a small toggle switch on the back of the amp labeled "Bridged/Stereo. Rogue ships the RA-1 with the switch in the down position set for normal stereo two channel operation. If you purchased two RA-1s to use as monoblocks, or a single RA-1 for a center channel move the toggle switch to the up position to place the RA-1 into Bridged mode. In Bridged mode use the LEFT channel inputs.

Connecting the amplifier to the loudspeakers:

-A Stereo: The rear panel has binding posts with which you can connect your loudspeakers as shown in Figure 1.

-B Bridged: For the speaker wiring the Positive connector on the left binding post block is the positive output. The Positive connector on the right binding post block becomes the negative output. In Bridged mode use the LEFT channel inputs.

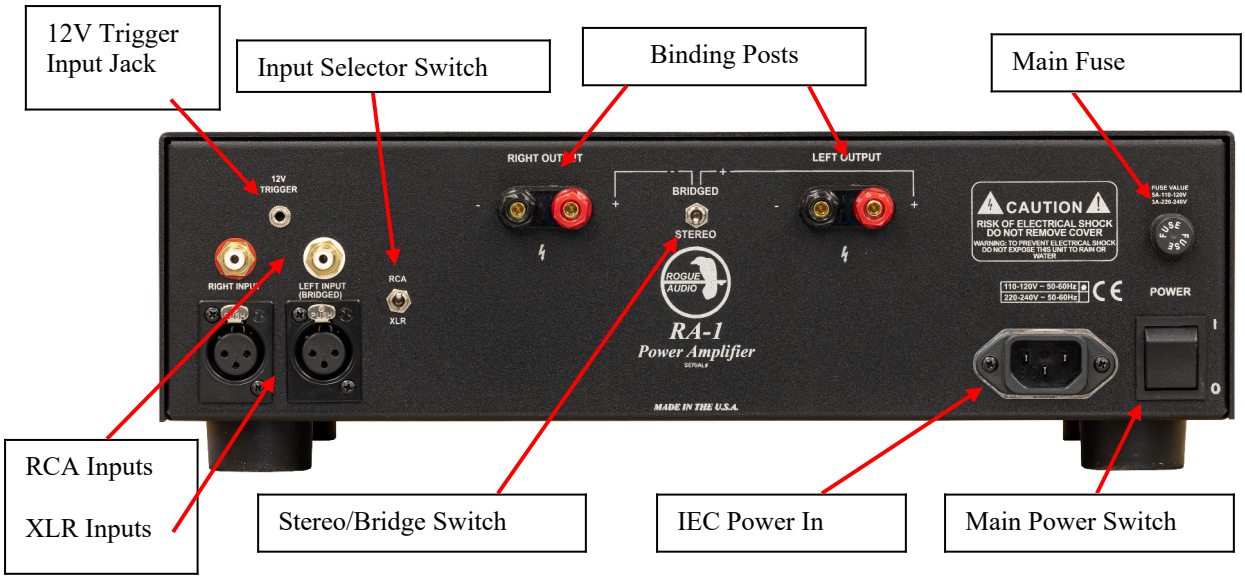
Connecting the amplifier to the preamplifier:

There are two types of input connections on the rear panel of the amplifier:

1) Balanced XLR input
2) RCA input

The input connections can be made using either the XLR or RCA input, depending on your system setup. There is a toggle switch next to the inputs that determines whether the RCA or XLR inputs are engaged.

Figure 1. Rear Panel Layout



Connecting the amplifier to the power outlet:

Connect the IEC end of the detachable power cord provided to the amplifier and plug the opposite end into a suitable power outlet. It is recommended that the amplifier and your preamplifier are plugged into the same wall outlet if possible (perhaps using a power outlet strip). This is to avoid creating a ground loop.

OPERATION OF YOUR AMPLIFIER

After all proper connections have been made you are now ready to turn the amplifier on. The main power on/off switch is on the rear of the amplifier and should be left on at all times. A small amount of power is used by the amplifier to maintain a ready state which keeps the amplifier warmed up for better performance. The power switch on the front of the amp is used to fully power up the amplifier. There are two LED's on the front panel as shown in figure 2. The yellow LED indicates that the amplifier is in standby mode. The blue LED indicates that the amplifier is fully operational. The red LED indicates that a problem has occurred (shorted speaker terminals or other source of overcurrent). When the unit is first plugged in and the rear switch is turned on the red LED will blink briefly and then the yellow standby LED will be illuminated. When the front power button is first depressed both the blue and yellow LED's will be illuminated. After approximately 10 seconds the yellow LED will turn off indicating that the amplifier is operational and ready to play music.

Figure 2. Front Panel



Note: The blue LED turns red when an error condition occurs. See troubleshooting for more information.

Some preamplifier and sources can generate dangerous transients that can damage loudspeakers. To avoid letting dangerous transients reach your loudspeakers turn your system on in the following order:

1) Turn on all sources (CD, tuner, etc.) that you will be using.
2) Turn on the preamplifier.
3) Wait until the preamplifier has stabilized.
4) Power up the amplifier
5) Select listening source and play music

When powering down your system turn the amplifier off first.
Note – After turning off the amplifier, wait at least one minute to turn it back on. Do not turn it on then off and then on again in quick succession. Doing this will not allow the power supplies to discharge between on/off cycling and may result in dangerous transient noises.

12V Trigger Operation

If you want to turn your RA-1 amplifier on and off via a 12V Trigger from your preamplifier use the 3.5mm trigger jack on the back of the RA-1. With the 12V trigger in place don't use the regular power button except as an emergency shut off. If you do use the power button with a 12V trigger cable in place the amplifier will shut down and display a red LED, this is normal. Turn the amplifier off from the back, wait 1 minute and then turn the power back on from the back switch.

TROUBLESHOOTING

Speaker Hum – If hum can be heard from more than a few inches from the loudspeaker, there is probably a ground loop. Be sure that the amp and preamp are both plugged into the same outlet or power strip. If this fails to cure the hum, call customer service at Rogue Audio for further advice.

Red LED on front panel is illuminated – The red LED flashes out specific error codes to help diagnose the issue. The codes are:

Module Error Left Channel: 1 pulse
Module Error Right Channel: 2 pulses
Over current Left Channel: 3 pulses
Over current Right Channel: 4 pulses

Sound from only one speaker – Check that your speaker cables and interconnects are properly connected.

No LED's are illuminated – Check that the power cord is properly installed and that the rear switch is turned on.

If you still have a problem please contact Rogue Audio at 570-992-9901

OWNER AND WARRANTY REGISTRATION FORM

Included with this manual is an Owner and Warranty Registration Form. Please take a minute to fill out this card and return it to Rogue Audio. This card must be returned within 30 days of purchase to validate the warranty.

FUSE VALUES

Main fuse located on rear panel (1) – 5 Amp slow blow
Power Supply Fuses on PCB (4) – 6.3 Amp slow blow

SPECIFICATIONS

output power	175WPC 8 Ohms, 275WPC 4 Ohms
frequency response	5Hz – 30 kHz ± 1dB
THD	< 0.1% typ, < 1% at rated power
input sensitivity	1.0 V RMS
dimensions	15.25” W x 14” D x 5” H
weight	26 pounds (25 Kg)
shipping weight	31 lbs (11 Kg)
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 original purchaser of this product 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 dealer's 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 applies only to the original purchaser of this product when purchased from an Authorized Rogue Audio dealer.

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.
545 Jenna Dr.
Brodheadsville, PA 18322
(570) 992-9901