PHARAOH II

Tube Hybrid Integrated Power Amplifier

Owner's Manual

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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 vacuum tube amplifier you will be thrilled by the silky-smooth sound and incredible detail that only a tube amplifier can provide. And with the Pharaoh hybrid integrated amplifier, you can be sure that you are getting the leading edge in hybrid technology. 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 amplifier properly.

UNPACKING THE PHARAOH INTEGRATED AMPLIFIER

Tools required: none

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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.**

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

1. Carefully lift the amplifier out of the interior box, and remove the plastic bag. The remote and power cord are located in a separate box above the amplifier.

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.

INSTALLING THE PHARAOH

Amplifier Location:
The Pharaoh runs exceptionally cool so it isn't a problem to mount it in a rack or inside a cabinet as long as there is an inch or more clearance on the sides and top.

WARNING
The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table cloths, curtains, etc. **No naked flame source such as candles should be placed on the Pharaoh.** **The Pharaoh should not be exposed to dripping or splashing and no objects filled with liquids such as vases or goldfish bowls should be placed on top of the Pharaoh.**

Connecting the Pharaoh to your loudspeakers:
The Pharaoh is equipped with binding posts that can accommodate spades or banana plug speaker cable terminations. **Do not over tighten the binding posts!**

Connecting the Pharaoh to other components:
The input connections to the Pharaoh are made via RCA and XLR jacks on the rear of the amplifier. The following connections are available as shown in figure 1:

- RIAA equalized phono preamplifier input (phono)
- CD (CD player or other line level source)
- Aux 1
- Aux 2
- Balanced XLR
- Variable outputs (for a subwoofer or second amplifier)
- Fixed outputs (for a separate headphone amp or for recording)
- Processor in/Processor out
- Unity gain inputs (home theater bypass)

Figure 1

Connecting headphones to the Pharaoh:
The Pharaoh headphone jack provides for a ¼" or 6mm headphone connector. If you have headphones with a different size connector, you can use a suitable adapter. The headphone button will put the Pharaoh in a partial standby mode with only the tubes and low voltage solid state circuits in operation.

Connecting the Pharaoh to the power outlet:
Connect the IEC end of the detachable power cord provided to the amplifier, and plug the opposite end into corresponding outlet. It is recommended that both the Pharaoh and all sources (CD, tuner, etc.) be plugged into the same wall outlet if possible (perhaps using a power outlet strip). This is to avoid creating a ground loop.

Connecting a subwoofer to the Pharaoh:
The Pharaoh has one pair of variable outputs that can be used to drive a subwoofer. The variable outputs are buffered in order to eliminate any interaction between the subwoofer circuitry and the Pharaoh.

Connecting a turntable to the Pharaoh:
The phono section provided in the Pharaoh is highly flexible and will accommodate both high output moving magnet (MM) and moving coil (MC) cartridges as well as low output MC cartridges. Cartridge loading is also adjustable via DIP switches located inside the amplifier.

Note - All changes to the phono configuration should be done with the amplifier off and the standby switch off (The amp is completely shut down).
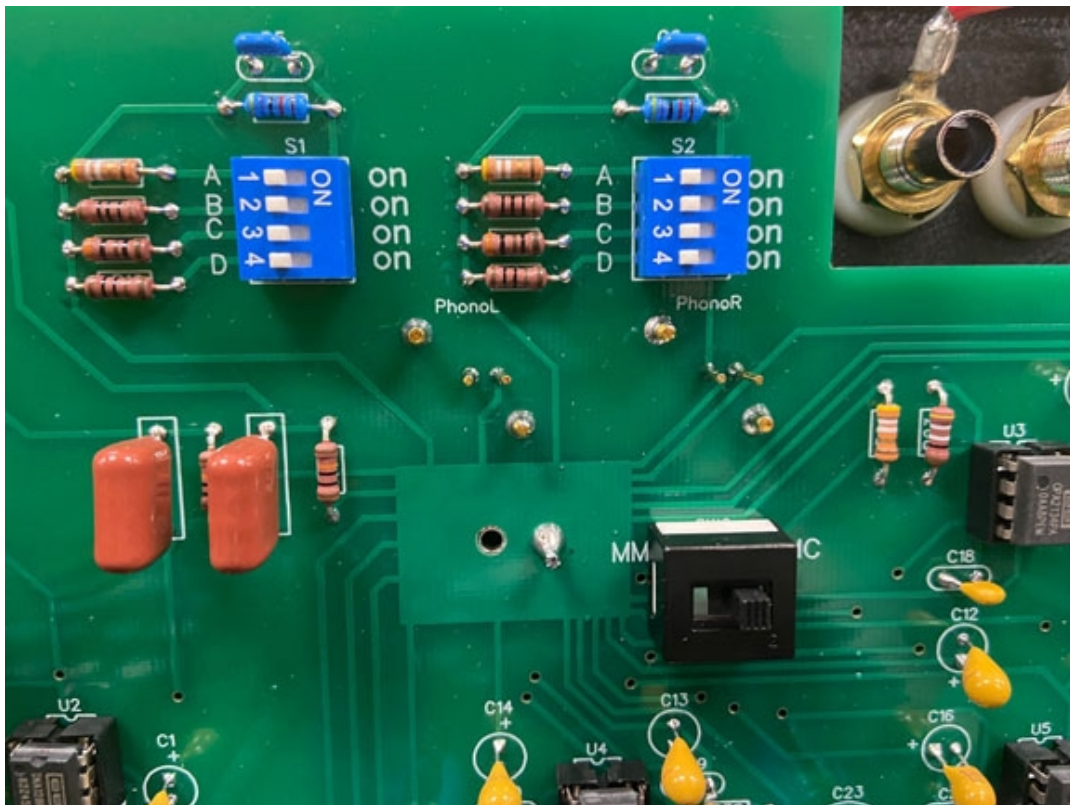

Figure 2 (note - 47K mc setting shown)

To switch between moving magnet (mm) and moving coil (mc) gain setting move the black slide switch to the appropriate position. Note that high output mc cartridges should be used with the slide switch in the mm position. The Pharaoh ships in moving magnet configuration. Table 1 provides the cartridge loading options available.

DIP-1 provides loading for the left channel and DIP-2 for the right channel. Push the small switches (1-4) to the right to engage the loading as required.

DIP-1, DIP-2	Resistance
A	20 ohms
B	100 ohms
C	300 ohms
D	1K ohms
B+C	75 ohms
C+D	230 ohms
None on	47K

Table 1

OPERATION OF THE PHARAOH

Powering up the System - After all proper connections have been made, you are now ready to turn the Pharaoh on. The main power on/off switch is on the rear of the amp. This "vacation switch" can be left on at all times and keeps the solid state portion of the amplifier in a standby state. The Pharaoh uses very little power while in standby and will sound its very best if you leave this switch on at all times. If you are going to be away for an extended time period (vacation) you can turn it off. The yellow LED on the front panel indicates that this switch is turned on. The power button on the front panel energizes the tube section and takes the solid state circuitry out of standby mode. The blue LED indicates that the amplifier is in fully operational mode.

The Pharaoh uses a "smart" turn on sequence that minimizes turn on transients and also lets the tubes warm up gently. When the power button is depressed the blue light will come on and after approximately thirty seconds the standby light will go out. You are then ready to listen to music. Even with the timed turn on sequence it is best to turn your equipment on as follows:

1) Turn on all sources (CD, tuner, etc.) that you will be using.
2) Power up the Pharaoh
3) Select listening source and play music

When powering down your system turn the amplifier off first.

Note – **Important!** 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 supply to discharge between on/off cycling and may result in transient noises.

Switches and Controls- The Pharaoh is equipped with volume, balance, source, processor loop, home theater bypass (unity gain) and headphone button.

- Volume – adjust gain
- Balance - left and right channel balance
- Source – selects source material (PHONO, CD, Line 2, Line 3,balanced)
- Power – on/off operation
- Processor loop – adds an external signal processor to the audio circuit
- Unity gain – bypasses the internal preamp and sends signal from unity gain inputs directly to the amplifier.
- Remote Volume Control/mute – The Pharaoh 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 if provided.

TROUBLESHOOTING

The Pharaoh has a variety of protection features that are intended to prevent damage to the amplifier and loudspeakers. These include thermal overload, over current protection, shorted output protection, etc… If the amplifier is hooked up improperly or misused these features will help (but not guarantee) to prevent damage.

One channel out – Check that the speaker wires are not shorting together either at the rear of the Pharaoh or at the speaker binding posts.

Both channels out – Check that the speaker wires are not shorted together. Make sure the source (CD, phono, etc..) is operating and hooked up properly. Try a second source if possible. Turn off the standby switch on the rear of the Pharaoh, wait five minutes and turn the standby switch back on to reboot the electronics.

Both Channels drop out after prolonged playing at high volumes – Turn the Pharaoh off and let it cool for an hour then restart.

If you have any questions or concerns about the operation of your Pharaoh please call us at 570-992-9901 and we will be happy to help you.

OWNER AND WARRANTY REGISTRATION FORM

Included with your amplifier is an Owner and Warranty Registration Form. Please take a moment 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 (1) – 10 Amp slow blow
Power Supply Fuses on PCB (4) – 6.3 Amp slow blow

SPECIFICATIONS

output power	250 WPC/8 ohms , 400 WPC/4 ohms
frequency response	5Hz – 20 kHz $\pm$ 1dB
THD	< 0.1% typ, < 1% at rated power
input sensitivity	1.0 V RMS
Phono gain	mm/mc 40dB/63dB
RIAA	+/- 0.25dB 20-20KHz
Headphones	2 WPC @ 32ohms
dimensions	18.25" W x 17.5" D x 6.5 5" H
weight	40 pounds (25 Kg)
shipping weight	45 lbs (27 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 Drive
Brodheadsville, PA 18322