

Wright Audio

Oasis Music System

PH-3 Phono Stage and Separate PS-3 Tube Power Supply

The Wright Audio PH-3 allows the use of a phono turntable equipped with a moving-magnet or 'high-output' moving-coil cartridges with equipment not having the suitable input. It is compatible with all Wright Audio Line Level Preamplifiers and Integrated Amplifiers and most other manufacturers' line-level-only products as well.

- Standard 47K ohm input impedance.
- Drives input impedance of 30K ohms or higher.
- Unit does not invert phase.
- PH-3 Tube Complement: Use only tube types stated on the bottom cover of the preamplifier.
PS-3 Tube Complement: (2) Matched 6CA4 / EZ81.

SAFETY WARNINGS

1. Do not open the covers of the preamplifier or the power supply. Lethal voltages may exist within, **even when the power cord is disconnected from the outlet**. It should be returned to Wright Audio if there is a malfunction.
2. The units must not be exposed to excessive moisture. Never use any more than a dry cloth for cleaning.
3. To **disconnect** the PH-3 Preamplifier unit from the PS-3 Power Supply, follow the instructions printed on the back of the units exactly.

SAFETY CAUTION: NEVER DISCONNECT THE PH-3 FROM THE POWER SUPPLY WITH THE ROTARY SWITCH IN THE 'ON' POSITION.

INSTALLATION FOLLOW THESE INSTRUCTIONS IN ORDER.

DO NOT INSERT THE AC POWER CORD INTO THE POWER SUPPLY.

HEAT PRODUCTION

Neither the power supply nor the preamplifier sections produce a substantial amount of heat. However, the PH-3 unit should have a couple inches of space above the top of the tubes for heat dissipation to possibly prevent long-term heat damage to the surface above the tubes.

POSITIONING / INSTALLATION FOR LOWEST NOISE

By nature, phono preamplifier stages are susceptible to noise due to the tremendous amplification and bass equalization boost required by the record industry's standard RIAA equalization curve. Keep in mind that all phono stages are susceptible to external, stray electrical fields such as from a turntable motor or other units' power transformers. The separate power supply provided with the PH-3 Phono Stage ensures that the possibility of noise from an internal power supply is completely eliminated.

For lowest noise, best results can be obtained by placing the power supply side-by-side with the preamplifier section. Next best is that the preamplifier section can be placed above the power supply with at least 3 inches separating them. Placing the preamplifier directly on top of the power supply may be possible with some installations, but is the least desirable.

If a turntable is placed on a shelf or cabinet directly above the preamplifier, more distance between them may be required to keep the preamplifier away from electrical fields generated by the motor and other circuitry.

INSTALLING THE TUBES

Only use tube types which are stated on the bottom of the preamplifier and power supply units.

Notice that there is a gap in the pins of the tubes and on the tube sockets. Rotate the tube so that the pins align with the gap in the socket and at first gently press down and then increase the pressure when it is determined that the pins are properly inserting into the socket. Be sure the tube pins are fully inserted into the sockets.

Wiggle the tubes as little as possible while inserting because doing so can crack the glass at the bottom of the tube. Be sure to insert them all the way down into the socket and then straighten the tubes.

CONNECTING THE POWER SUPPLY TO THE PH-3 PREAMPLIFIER

Connect the cable from the preamplifier to either one of the two power supply sockets. The two sockets are identical and allow the use of a second PH-3 or Wright Audio Tape Head Preamplifier (to be introduced).

CONNECTING THE TURNTABLE

Connect the main left and right channel cables from the turntable to the INPUT left and right channel RCA sockets. Also connect the single ground wire from the turntable to the GROUND screw and tighten.

CONNECT THE LEFT AND RIGHT OUTPUTS OF THE PH-3 TO THE LINE-LEVEL PREAMPLIFIER STAGE OR INTEGRATED AMPLIFIER LEFT AND RIGHT INPUTS using the supplied RCA cables.

CONNECTION TO A WRIGHT AUDIO INTEGRATED AMPLIFIER OR LINE PREAMPLIFIER

The power supply's AC power cable's third 'ground' pin should be lifted to avoid a ground loop which can cause hum. A '3-to-2' prong AC adapter is available at most hardware or electrical retail departments. The entire system should be connected to ground through only one component.

MAKE SURE THE ROCKER POWER SWITCH ON THE POWER SUPPLY IS IN THE 'DOWN' POSITION AND THE ROTARY SWITCH ON THE PH-3 IS IN THE 'OFF' POSITION. Then insert the AC power cable into the power supply and connect it to an AC power socket providing the voltage printed above the power socket inlet.

OPERATION

The PH-3 unit's Off-On rotary switch may be left in the 'ON' position and be powered on and off solely by the power supply's rocker switch. **SAFETY CAUTION: NEVER DISCONNECT THE PH-3 FROM THE POWER SUPPLY WITH THE ROTARY SWITCH IN THE 'ON' POSITION.**

Several seconds after the power is turned on, the left and right channel high-voltage neon indicator lights will glow indicating proper operation of the high voltage section of the power supply.

After the unit is turned off by the power supply switch, the lights will continue to glow for a significant length of time while the current subsides.

During operation, the 'Mute' position is useful when cleaning the stylus while the system is powered on.

It is unnecessary to operate your preamplifier when you are NOT listening. Unlike solid-state equipment, the preamplifier reaches its optimum listening quality in less than 15 minutes, and it is simply a waste of power and tube life to leave it on continuously.

MAINTENANCE

The unit requires no user maintenance other than infrequent tube replacement. With the exception of the two 6CA4 / EZ81 power supply tubes, the tubes should be replaced at roughly 4000 hours of operation. However, this time may vary greatly depending on the manufacturer of the tubes and the prevalent AC line voltage. Although the tubes may still operate long beyond this point, much of the 'tube magic' may have diminished and only tube replacement may determine if the new replacements should be left in.

The 6CA4 tubes should last considerably longer. In the event that one indicator light does not glow or glows at a level significantly less than the other, it is likely that the corresponding channel's 6CA4 tube is defective. If the replacement tube still does not cause the indicator light to glow, the preamplifier should be returned to Wright Audio for service.

Never install tubes with numbers or types different from the ones provided. Some of the numbers from some manufacturers are confusing. Please contact Wright Audio when there is any doubt.

Wright Audio supplies the correct, matched replacement tubes for your unit at reasonable cost.

IF YOU HAVE A PROBLEM OR QUESTION

Your product was designed for at least a lifetime of operation with ordinary common sense care and infrequent tube and capacitor replacement. Please accord it with the same care as you would a fine camera. However, damage can occur during shipping or in storage conditions where extremes of temperature or physical shock 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 call or email in the event of any difficulty, and we shall 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.

UNDER NO CIRCUMSTANCES SHOULD YOUR UNIT BE SHIPPED TO WRIGHT AUDIO WITHOUT AUTHORIZATION. An item sent to us without authorization will be refused.

Ship PREPAID via UPS or FEDERAL EXPRESS ONLY. Be sure to insure the shipment for the full cost of the unit. FREIGHT COLLECT shipments cannot be accepted.

Contact Information At
www.WrightAudio.us