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Operating Instructions for the Analog HCPS

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What's in the Box

- One Analog HCPS
- One 2 meter AC power cable
- Two 1 meter power supply cables
- One user's manual
- One warranty card
- One spare 3 amp fast blow fuse

IMPORTANT:

Be sure to save all packing materials included with the Analog High Current Power Supply as this will be required if you ever need to ship the unit for service or modification.



Warning

To prevent fire or shock hazard, do not expose the High Current Power Supply to rain or moisture. To avoid electrical shock, do not open the enclosure. Refer servicing to qualified personnel only.

To prevent electric shock, use only a 3 prong, grounded type power cable.

Any change or modifications not expressly approved in the manual could void your warranty.

Safety Instructions

Read the operating instructions provided with the Analog High Current Power Supply.

Retain the operating instructions for later use and reference.

Unplug the Analog High Current Power Supply from the wall outlet before changing the fuse or performing any cleaning or service.

Do not operate the High Current Power Supply near water. Avoid placement near a water reservoir or excessive moisture.

When replacement parts are required, ensure they are specified by the manufacturer to have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

Do not operate with faulty or frayed power cables.

Overview

The PS Audio Analog High Current Power Supply is designed to enhance the sonic performance of the PCA-2 preamplifier as well as other PS Audio accessories.

The Analog High Current Power Supply is designed to improve upon conventional design by housing a large power supply in an external chassis. By locating the power supply in an external chassis interference between it and sensitive circuitry of the PCA-2 is minimized.

The Analog HCPS uses a huge toroidal transformer coupled to 75,000 µf of storage capacity. The Analog HCPS is designed to readily deliver massive amounts of clean current when the PCA-2 requires it.

- Separate power cables for control circuitry and analog gain stage
- Additional outlet to supply power to other PS Audio accessories
- Built in High Current Ultimate Outlet
- PS Audio's brushed aluminium chassis
- Front panel illumination control from PCA-2
- 1 meter xStream connecting cables included

Specifications

Output:

Power

Gain Stage (gray connector)	-	55 Volts
Accessory (black connector)	-	8 Volts
Storage capacity	-	75,000 µF

Input:

AC input range	-	115-125 Volts
Frequency input	-	50/60 Hz
Input capacity	-	750 VA
Power consumption	-	
Maximum	-	100 Watts
Nominal	-	5-10 Watts

General

Width	-	43.8 cm
Height	-	7.3 cm
Depth	-	33 cm
Weight	-	9.75 kg

Warranty and Service

Inside the U.S. and Canada

PS Audio's warranty is 3 years parts and labor, from the date of original purchase. The warranty follows the product itself regardless of ownership, new or used.

Outside the U.S. and Canada

PS Audio has authorized distribution in many countries of the world. In each country, the authorized importing retailer or distributor has accepted the responsibility for warranty of products sold by that retailer or distributor. Warranty service should normally be obtained from the importing retailer or distributor from whom you purchased the product. In the unlikely event of service required beyond the capability of the importer, PS Audio will fulfill the conditions of the warranty. Such product must be returned at the owner's expense to the PS Audio factory. Contact your PS Audio distributor or the PS Audio customer service department for more information.

Service issues

Should your unit ever require service or if you have any technical questions about the P500, you must either contact your dealer (PS Audio if purchased direct) or your PS Audio distributor. No equipment will be received at our service facilities without an attached RA number.

If the product was purchased through an authorized PS Audio dealer or distributor, the RA number must be obtained by the dealer or distributor. If the product was purchased from PS Audio direct, the RA number can be easily obtained by contacting PS Audio by phone at **720-406-8946** or by e-mail at service@psaudio.com



The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

Troubleshooting Guide

Does the Analog High Current Power Supply replace the need for a Power Plant?

The Analog High Current Power Supply will supply a better source of DC to the PCA-2 or other connected equipment. However the incoming AC is still very important to the sound of the PCA-2.

The Analog HCPS does not regenerate new AC like a PS Audio Power Plant.

The Power Plant will further enhance the performance of the Analog HCPS when power is delivered from a Power Plant.

The blue PS Logo does not immediately illuminate when Analog HCPS is on.

The blue PS Logo will only illuminate in tandem with the PCA-2 PS logo. The PCA-2 PS logo will not illuminate until the startup sequence has finished and is in operational mode.

Ensure that main power switch on the rear panel is switched 'on'. The switch will illuminate if the Analog HCPS is receiving power.

Ensure that the DIM mode is not set to 'off' on the PCA-2 remote.

The Analog HCPS will not provide power to the PCA-2.

Ensure that the PCA-2 will power up if connected directly to a standard wall outlet:

Remove the connecting cables from the Analog HCPS and plug the PCA-2 directly into a wall outlet. If the PCA-2 will not power up from the wall outlet see the Troubleshooting Guide in the PCA-2 manual.

If the PCA-2 does power up from the wall outlet then disconnect the PCA-2 from the wall outlet and re-connect the cables from the analog HCPS to the PCA-2. Ensure that the cables are locked into place by twisting them clockwise.

If the Analog HCPS will still not provide power to the PCA-2 check that the fuse is not blown:

The chances of the fuse in the Analog HCPS being blown are very low. However, if the fuse is blown, the Analog HCPS will be completely inoperable. To check the fuse, locate the section of the back panel labeled "Fuse." Unplug the unit from the wall, remove the fuse and check its conductivity. If necessary, replace the fuse and try powering up the Analog HCPS. The rear panel switch should illuminate. If the fuse (3 amp fast blow) is blown and a replacement fuse does not solve the problem, please contact your dealer for additional service.

Can I use a High Current Power Supply with other power conditioners?

While it is certainly acceptable to use an High Current Power Supply along with other power conditioners, it is not advisable to do so without careful evaluation. Our experience has been that almost all power line conditioners soften the dynamics of music and reduces snap and clarity of the video presentation. This is not always the case for every system, so if you plan on using the High Current Power Supply in addition to an existing conditioner, take care to make a proper evaluation. Do not simply assume it will be better.

Can the High Current Power Supply be used with balanced power?

Yes. The High Current Power Supply can accept either single ended AC (this is what typically comes out of a standard U.S. wall socket) or balanced AC. Balanced AC can be achieved by using a PS Audio Power Plant AC regenerator, or a properly designed balanced isolation transformer.

Quick Start Guide

1. Connect the Analog High Current Power Supply to the PCA-2. The included Neutrik power supply cables are color keyed to the connectors. Connect the **Preamp Power Supply A and B** on the Analog HCPS to the **External Power Supply A and B on the PCA-2**. The connectors will twist clockwise and lock into place. To remove the cables simply slide the metal clip away from the unit and twist counter-clockwise.

(Optional) If additional PS Audio products are to be powered by the external power supply connect them to the **Accessory Power Supply** connector now.

2. Ensure the PCA-2 is not plugged directly into the wall (or other power source). It should receive power only from the HCPS.

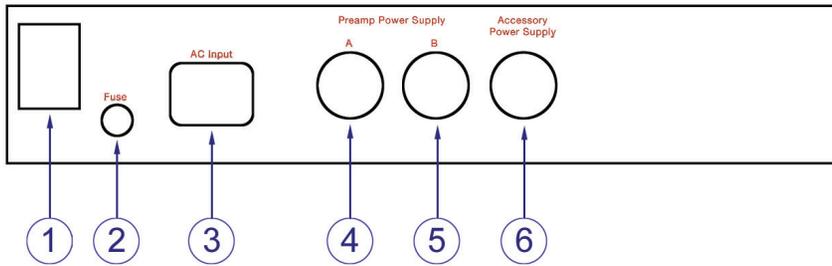
3. Verify the Analog HCPS's power switch is in the off position [O]. Plug the Analog HCPS into the wall AC outlet or power distribution device (such as a Power Plant). Use the supplied cable or an aftermarket power cable. For optimum results we suggest the use of a PS Audio xStream Power cable.

4. Turn the rear panel power switch to the ON position [I]. The switch should illuminate.

5. If the Preamp is connected properly it should begin its startup process. Once the Preamp finishes the startup process and is powered on, the blue PS will illuminate on both the Analog HCPS and the PCA-2.

6. Enjoy the sonic benefits the High Current Power Supply will bring to any system.

Rear Panel Layout



The power switch will illuminate when there is power supplied to the unit and the switch is set to on. The [I] position indicates ON. The [O] position indicates OFF.

2. Fuse

Note: Unplug the power cord before checking the fuse.

The fuse is a 3 Amp fast blow. It can be removed by inserting a flat device into the fuse holder and twisting counter-clockwise.

3. IEC Power Inlet

15 amp male IEC standard power socket.

4. Preamp Power Supply A

The gray socket provides power to the control circuitry of the preamplifier. Connect only the supplied cable with the grey Neutrik connector to the gray socket.

5. Preamp Power Supply B

The black socket provides power to the analog gain stage of the preamplifier. Connect only the supplied cable with the black Neutrik connector to the black socket.

6. Accessory Power Supply

The Accessory socket provides power to additional PS Audio accessories which are designed to be powered by the Analog HCPS. Connect only products which are specified to work in conjunction with the Analog HCPS.

Front Panel Layout

The only active element on the front panel is the blue PS logo.

The PS logo will illuminate only after the PCA-2 is connected, has finished its startup cycle and is powered on.

The logo intensity is controlled by the PCA-2. The brightness of the logo can be set to high, low or off by using the DIM button on the remote of the PCA-2.

