



PS AUDIO

Owner's Reference

Owner's Reference GCPS High Current Power Supply

Instructions for use



GCPS High Current Power Supply

4826 Sterling Drive, Boulder, CO 80301
PH: 720.406.8946 service@psaudio.com www.psaudio.com

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Introduction i



PS AUDIO

Introduction

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Important Safety Instructions



**Read these instructions
Heed all warnings
Follow all instructions**



WARNING. TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

Clean only with a dry cloth.

Do not place flammable material on top of or beneath the component.

All PS Audio components require adequate ventilation at all times during operation. Rack mounting is acceptable where appropriate.

Do not remove or bypass the ground pin on the end of the AC cord unless absolutely necessary to reduce hum from ground loops of connected equipment. This may cause RFI (radio frequency interference) to be induced into your playback setup. All PS products ship with a grounding type plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Unplug this apparatus during lightning storms or when unused for long periods of time.

When making connections to this or any other component, make sure all components are off. Turn off all systems' power before connecting the PS Audio component to any other component. Make sure all cable terminations are of the highest quality.

There are no fuses inside this product.

THERE ARE NO USER-SERVICEABLE PARTS INSIDE ANY PS AUDIO PRODUCT. REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL

Please contact your authorized dealer, distributor, or PS Audio if you have any questions not addressed in this reference manual.

This product is manufactured in the United States of America. PS Audio® is a registered trademark of PS Audio International Inc., and is restricted for use by PS Audio International, Inc., its subsidiaries, and authorized agents.



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.



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.





Table Of Contents

Owner's Reference GCPS High Current Power Supply

Introduction	IV
Getting Started	1
Quick Start Guide	2 - 3
Questions and Answers	4 - 5
Troubleshooting	6 - 7
Warranty	8 - 9
Service	10 - 11





PS AUDIO

Introduction

Owner's Reference GCPS High Current Power Supply

Thank you for your purchase of the PS Audio GCPS High Current Power Supply.

What will it do?

The GCPS is designed to provide a higher quality DC voltage for the GCP-200 preamplifier. Using a remote and separate chassis to convert AC from the wall to DC for the preamplifier benefits the sonic qualities of the preamplifier.

The GCPS contains a high current diode bridge, 96,000 mFd's of capacitance and a power transformer. It produces clean, unregulated DC voltage for the GCP-200 preamplifier or other PS equipment designed to accept the GCPS. The GCPS will not work on older PS products, such as the PCA-2 preamplifier. The HCPS High Current Power Supply, originally designed for the PCA-2 Preamplifier, should not be used in place of the GCPS as they both produce very different voltages and will damage the preamplifier.

What you can expect

You should expect a quieter background level, a more open spacious soundstage with clearly defined space around the individual instruments. The lowered impedance of this power supply will also help the GCP-200 have a more full bodied presentation to the music or theater presentation.



Getting Started

Owner's Reference GCPS High Current Power Supply

Location	<p>Once your new GCPS is unpacked, you'll need to find a convenient place to set it.</p> <p>There are several ways to mount the GCPS: on the floor behind the equipment, or simply on a shelf next to the preamplifier.</p>
Cautions	<p>If the GCPS is to be placed on the floor or carpet, make sure the unit is not going to come in contact with water or cleaning solvents.</p>
Isolation	<p>The GCPS can benefit from aftermarket isolation devices such as cones, spikes and Sorbothane pads.</p>
Power Cables	<p>Once you have chosen the location for the GCPS you can use the supplied AC power cord to connect it to the AC wall receptacle to get started, or you can use an aftermarket power cord and receptacle.</p> <p>We strongly recommend the use of a PS Audio xStream Power™ AC cable and a PS Power Port™ AC receptacle to feed the GCPS power. While the supplied power cable is adequate for the task of setup it is not going to provide the best performance. Choosing any xStream Power cable will make a significant performance improvement over the stock power cable. An xStream Plus would be our recommendation.</p> <p>It is further recommended that you power the GCPS with a PS Audio Power Plant if possible, or a UPC-200 or Ultimate Outlet if not. Power conditioning with the appropriate equipment will further the benefits of the GCPS High Current Power Supply.</p>
Connecting Cable	<p>The GCPS also comes with a connecting cable to connect to the GCP-200 preamplifier. This cable is specially designed to work with both pieces of equipment and it is important to always use this cable between the two pieces of equipment. The connecting cable needs to be twist locked into place. See the Quick Start Guide for instructions.</p>

Once you have decided on the location and chosen the appropriate power cables, you are ready to install the GCPS.

The GCPS has one AC power input and one output.

Turn the equipment off first

Turn off the GCP-200 preamplifier, remove its power cable from the AC source you are using to power the preamplifier. **You will not plug this power cable back into the preamplifier.** You may consider using this power cable to power the new GCPS if it is a high quality one. We recommend turning all equipment in the system off or to standby mode when powering down the unit you wish to power with the GCPS.

Insert the GCPS

Insert the GCPS into the system by first connecting the GCPS connecting cable between the GCPS output and the GCP-200 (or other) High Current input. The connecting cable uses a connector known as a Nuetrik locking connector. To use this connector, insert it into the female chassis receptacle, turn the male connector clockwise until it clicks into place and is locked.

Connect the GCPS

Make sure the master power switch on the rear of the GCPS is off. Plug the GCPS into the power source using the AC power cable you selected. It is advisable to use as short a power cable as possible to the GCPS. We do not recommend plugging the GCPS into an extension strip or plug extender unless it is of the highest quality and heavy duty design, such as the PS Audio Juice Bar or device with similar properties.

Once the GCPS has been connected to the power source, make sure that power source is energized and providing AC power to the GCPS.

Avoid switched outlets

If you are using an AC wall receptacle to power the GCPS, make sure the AC receptacle is not a switched outlet. Switched outlets are those outlets that can be turned on/off with the wall switch. It is advisable to leave the GCPS powered at all times.





PS AUDIO

Quick Start Guide

Owner's Reference GCPS High Current Power Supply

Do not plug the preamp back in

DO NOT plug the AC power cable of the GCP preamplifier into the AC wall source. The AC power input of the GCP-200 preamplifier should remain disconnected.

Master switch

Once the GCPS has been powered, turn the GCPS master power switch to the on position. Note the blue light on the front panel of the GCPS, under the logo, should be lit. Your GCP-200 preamplifier should now be ready to play.

Connect the power

Turn your equipment back on. Make sure everything is powered up properly with the GCPS.

At this point you should be ready to enjoy the benefits of clean, isolated and low impedance DC power to your preamplifier..



PS AUDIO

Questions And Answers

Owner's Reference GCPS High Current Power Supply

Should the unit be on all the time?

The GCPS is best left powered on at all times. The current draw is negligible and keeping it powered on will make sure the internal AC capacitors stay working properly.

Are there any internal fuses?

There is no harm in leaving the unit on at all times as the lifespan of the GCPS will be unaffected by leaving it on.

Is the AC receptacle important?

There is a user replaceable internal fuse inside the GCPS. However, this fuse should not be replaced without first consulting with the factory service center for advice. It would be unusual for this fuse to blow and may indicate something is wrong with the unit.

The AC receptacle is a critical link in the electrical chain. If you are using a standard AC wall receptacle to power your equipment, we would recommend the use of a Power Port AC receptacle, a hospital grade AC receptacle or at the minimum a high quality spec grade receptacle. The connection between the wall AC receptacle and your equipment can be a critical link in the success of your equipment's performance.



Placement?

Placement of the GCPS should be as far away from other equipment as practical.

Eliminating hum

Hum may be an issue with the GCPS if placed too close to another piece of equipment. The GCPS has an exceptionally large power transformer inside. This transformer can generate a fairly large magnetic field which can induce hum into equipment in close proximity. Be certain that the GCPS is placed as far away from other source and control equipment as possible.

Isolation?

Isolation through the use of spikes, cones or Sorbothane feet is recommended for the GCPS if space and budget allows. Isolation of any piece of high-end stereo and theater equipment is always recommended wherever practical.

What voltages can I run the UPC 200 on and how much power will it handle?

The GCPS is specific to your country's voltage. Do not use the GCPS on a voltage higher than it is rated for. For instance, do not take a 120 volt rated GCPS and attempt to use it in a 220 volt country. Failure to observe this cautionary note will void your warranty. If you need to operate the GCPS at a voltage other than the voltage it was designed for, contact your dealer, distributor or the factory for help. Once the GCPS has been set for the appropriate voltage, the connected GCP-200 preamplifier is no longer voltage restricted. Therefore, it will no longer matter if your GCP-200 preamplifier is a 120



PS AUDIO

Questions And Answers

Owner's Reference GCPS High Current Power Supply

Other considerations

volt or 220 volt model, once the GCPS is powering it.

The GCPS should generate very little heat.

We do not recommend using the rear panel master power switch on the GCPS. We recommend leaving the GCPS powered at all times and use the GCP-200 front panel power button to turn the preamplifier on and off.

It is normal that a small amount of heat will be generated with the GCPS.

The preamp will not power up

If the GCP-200 preamplifier does not power up when connected to the GCPS, there are several possibilities. One possibility is no power going into the GCPS. Check the rear panel of the GCPS to see if the master power switch power light is lit. If it is not, there are several possibilities:

No AC in

Test the receptacle feeding the GCPS power to see if there is power coming out of the receptacle. The easiest way to do this is by using a lamp that you have previously verified works. Regardless of the receptacle's type, that of a wall receptacle, a power conditioner, Power Plant or AC source of any kind, plug the lamp into the receptacle and verify there is AC power.

Master switch

Verify the master power switch is in the on position. To turn it on, press the top part of the switch in. The switch itself should be lit.

Another possibility is the line cord. Swap line cords and make sure the unit has power. Sometimes the line cord feeding the GCPS is not functioning properly. Test both cords if necessary.

Switched outlets

If the GCPS and its powered equipment lose power mysteriously, chances are pretty good that you have the GCPS connected to a switched receptacle on the wall or the back of a receiver or a power conditioner. Switched AC receptacles are those receptacles that are controlled by a wall mounted power switch and are typically intended to be used to power on/off a lamp in the room. Most times these receptacles are unmarked and inadvertent switching on or off of the power switch can cause a lot of headaches trying to track down the reason your new equipment does not power up. Most switched receptacles are on the top AC receptacle in a two gang box. Always use the lower receptacle on the wall port if you are unsure.



Check the connector

If you have power to the GCPS and the preamp still does not turn on, make sure the connector between the preamp and the GCPS is inserted properly. The connector is a Nuetrik style and it must be inserted and then turned clockwise and locked into place before it will work.

If you have determined the GCPS does not pass power, after performing the above tests, turn to the service section of this manual for details on receiving service.

Do NOT plug the GCP-200 preamplifier into the AC wall socket. Once the GCPS is connected, the

If the results are less than expected

GCPS will provide all power for the preamplifier and it is no longer necessary to plug in the power cable to the preamp.

If you do not hear or see a significant improvement in your system's performance, there are several possibilities:

Upgrade the power cables

Make sure you use a high-end power cable. Using the stock power cable is not a good idea. We include the stock cable as a convenience to get the system setup. We understand it's very frustrating to be required to purchase another power cable just to get your new piece of gear working. However, once the system is up and playing, it is important to change the stock power cable for a higher quality power cable such as those made by PS Audio. We would recommend the use of a Plus power cable at a minimum.

Break in

All high-end audio and video equipment needs a period to break in. Break in periods of up to two weeks are not uncommon, however the average we suggest is several days. To break in the unit, all you need to do is have it plugged into an AC power source and powering a piece of equipment.

Expectations

Expectations are a funny thing. If you are not expecting much, you're usually quite happy with any result at all and the opposite is equally true. The GCPS will lower the apparent noise floor of recordings, improve the harmonic structure of instruments, increase depth and ambience and give you a fuller, richer sound. These benefits will not necessarily be huge, but noticeable. Adding a GCPS is like adding a fine patina to an already beautiful surface; think of it as the finishing touch.

If you expect 1000 veils to be removed from your system, you'll most likely be disappointed. The improvements are subtle to dramatic depending on your system's resolving power and program material. We suggest you listen for signs of improvement on music featuring non-complex music containing a lot of upper harmonics, such as acoustic guitar, piano, human voice, light orchestral pieces.



Warranty

Owner's Reference GCPS High Current Power Supply

TERMS AND CONDITIONS

PS Audio warrants the product designated herein to be free of manufacturing defects in material and workmanship, subject to the following conditions, for a period of three (3) years from the date of purchase by the original purchaser or date of shipment to the authorized PS Audio dealer, whichever comes first.

Conditions

This Warranty is subject to the following conditions and limitations: the Warranty is void and inapplicable if the product has been used or handled other than in accordance with the instructions in the owner's manual, abused, or misused, damaged by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than PS Audio or an authorized PS Audio repair center.

- a. The product must be packaged and returned to PS Audio or an authorized PS Audio repair center by the customer at his or her sole expense in the original packing material. PS Audio will pay return freight of its choice for original purchasers.
- b. Return Authorization Number (RA Number) is required before any product is returned to our factory for any reason. This number must be visible on the exterior of the shipping container for PS Audio to accept the return. Units shipped to us without a Return Authorization Number or without a visible RA Number on the exterior of the shipping container will be returned to the sender, freight collect.
- c. RETURNED PRODUCT MUST BE ACCOMPANIED BY A WRITTEN DESCRIPTION OF THE DEFECT.

PS Audio reserves the right to modify the design of any product without obligation to purchasers of previously manufactured products and to change the prices or specifications of any product without notice or obligation to any person.

Remedy

In the event the product fails to meet this Warranty and the above conditions have been met, the purchaser's sole remedy under this Limited Warranty shall be to return the product to PS Audio or an authorized PS Audio repair center where the defect will be repaired without charge for parts or labor.

Transfer of Warranty

This Warranty is for the benefit of the original purchaser of the covered product and may be transferred to a subsequent purchaser of the product.

Extended warranty policies:

1. By submitting the registration card, via mail or internet, within 90 days of purchase, the warranty period will be extended to 5-years from the date of purchase.
2. If outside of the 90-day window of purchase, a 2-year extended warranty can be

purchased for any PS Audio product within the original 3-year warranty period for a fee of \$50.

3. To qualify for the extended warranty the Product must be purchased through an authorized PS Audio dealer or distributor and you must present a written receipt.
4. All of the policies of the extended warranty are the same as the limited warranty

Miscellaneous

This warranty does not cover the cost of custom installation, customer instruction, setup adjustments or signal reception problems.

This warranty does not cover cosmetic damage or any damage due to accident, misuse, abuse, negligence or modification of, or to any part of the Product, without initial express consent from PS Audio. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by PS Audio to service the Product.

This warranty is invalid if the factory applied serial number has been altered or removed from the Product.

To locate the servicer or dealer nearest you, or for service assistance or resolution of a service problem, or for product information or operation, call or email PS Audio.

ANY IMPLIED WARRANTIES RELATING TO THE ABOVE PRODUCT SHALL BE LIMITED TO THE DURATION OF THIS WARRANTY. THE WARRANTY DOES NOT EXTEND TO ANY INCIDENTAL OR CONSEQUENTIAL COSTS OR DAMAGES TO THE PURCHASER. Some states do not allow limitations on how long an implied warranty lasts or an 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 also have other rights that vary from state to state.

Inquiries regarding the above Limited Warranty may be sent to the following address: PS Audio International, Inc., 4826 Sterling Drive, Boulder, Colorado 80301 ATTN: Customer Service; Email: customerservice@psaudio.com; Voice 720-406-8946; FAX: 720-406-8967.

Outside the US

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 your 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, together with a photocopy of the bill of sale for that product, a detailed description of the problem, and any information necessary for return shipment.



If you require service in North America

In the unlikely event there is a problem with your PS Audio component, please contact your dealer, distributor, or the PS Audio corporate research center to discuss the problem before you return the component to our California manufacturing facilities for repair. Products shipped to either the factory or the corporate research facilities will be refused and returned freight collect if not accompanied by a PS Audio Service Department issued return authorization number (RA Number).

Obtain an RA number

Return authorization numbers must be prominently displayed on the outside of the box and an accompanying letter describing the problem and re-listing the RA number must be inside the box to qualify for service.

If you are transferring your warranty, you must first contact PS Audio or your dealer or distributor for details.

To contact the PS Audio Service Department:

Contact information

TELEPHONE 720-406-8946
HOURS Monday-Friday, 9:00 am to 5:00 pm MST
FAX 720-406-8967
E-MAIL service@psaudio.com
WEBSITE <http://www.psaudio.com>

If you are in the United States or Canada

If you are in the United States or Canada use the following procedure:

1. Obtain a Return Authorization Number (R/A number) and shipping address from the PS Audio Service Department.
2. Insure and accept all liability for loss or damage to the product during shipment to the PS Audio factory and ensure all freight (shipping) charges are prepaid.

The product may also be hand delivered to the California or Colorado facilities if arrangements with the Service Department have been made in advance. Proof of purchase will be required for warranty validation at the time of hand delivery.

Use original packing

Use the original packaging to ensure the safe transit of the product to the factory, dealer, or distributor. PS Audio may, at its discretion, return a product in new packaging and bill the owner for such packaging if the product received by PS Audio was boxed in nonstandard packaging or if the original packaging was so damaged to the point it was unusable. If PS Audio determines that new packaging is required, the owner will be notified before the product is returned.

To purchase additional packaging, please contact your authorized PS Audio dealer, distributor, or the PS Audio Service Department for assistance.

If you are outside the US or Canada

If you are outside the United States or Canada and require service you must contact your country's dealer or distributor for instructions. PS Audio warranties its products (see warranty section) worldwide.

Service for PS Audio products outside the United States and Canada is handled through your country's distributor or dealer.

1. Obtain a Return Authorization Number (R/A number) and shipping address from your dealer or distributor's Service Department.
2. Insure and accept all liability for loss or damage to the product during shipment to the dealer or distributor's Service Department and ensure all freight (shipping) charges are prepaid.

If you have problems

If you feel your country's dealer or distributor is either unwilling or unable to service your PS Audio products, please contact our service department at service@psaudio.com or at the above contact numbers to discuss the situation.

Voltage changes

Voltage changes to match your country's voltage and frequency requirements to your PS Audio product are possible only through your dealer, your country's authorized PS Audio distributor or the factory. Units purchased outside your country of residence will not be changed to the appropriate voltage unless prior arrangements have been made at the time of purchase. Please refer any questions to your dealer or distributor or by contacting the PS Audio service department.

Your PS Audio product serial number is:

Your serial number

Please fill in the dealer or distributor's information from where you originally purchased the unit.

Your purchase information

Date of purchase



PS AUDIO

Notes

Owner's Reference GCPS High Current Power Supply
