PS AUDIO

Owners Reference

AV-3000 and AV-5000 Power Centers

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

15-052-21-1 Rev B

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Introduction

AV-3000 and AV-5000 Power Centers

Important Safety Information

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments/accessories specified by the manufacturer.

12) Use only with the mounting brackets specified by the manufacturer, or sold with the apparatus.

13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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Installation and Operating Instructions

AV-3000 and AV-5000 Power Centers

1. Introduction

1.3 Device Description

The AV Power Centers are a revolutionary power conditioner, which not only offers world class protection and noise reduction, but also offers unparallel flexibility and control.

1.4 Device Features

- **Advanced Control**
  Ethernet and RS-232 ports provide two way communication to the Power Centers. These ports enable unparalleled control, monitoring, and management of connected devices.

- **Simple Control**
  Infrared and 12 volt triggers provide several additional methods controlling the Power Centers and connected devices.

- **Intelligent UPS Control**
  The UPS communication port enables PS Audio's revolutionary Intelligent UPS Management control and configuration.

- **Noise Reduction**
  The Power Play contains powerful noise filtration, yet continues to deliver unimpeded current to your components for optimal performance.

- **Surge Protection**
  Sophisticated surge and spike protection are contained in the AV Power Centers. The protection circuitry is designed to protect your gear from voltage irregularities. Should the protection circuitry become compromised the Power Center will no longer supply power to any of the connected components.

- **IsoZones**
  The AV-5000 features 5 IsoZones, while the AV-3000 features 3. Each IsoZone employs differential mode filtering to isolate connected equipment from noise which is generated by other components. It is recommended that components be isolated by device type (digital, analog, video, etc.) and/or by power supply type (switch mode or linear) wherever possible.

- **Rack Mountable**
  The Power Play AV-5000 and AV-3000 are rack mountable using the included rack mounting hardware.

- **Removable Support Feet**
  The feet of the Power Play may be removed in order to save rack space.

- **ON/OFF Sequencing**
  Using the delay settings one can sequence power on and off sequences as desired

- **Outlet ON/OFF Bank Control**
  The AV-5000 features 10 individually controlled outlets, while the AV-3000 features 3 The ON/OFF power bank controls allows for the ultimate in flexibility.

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- **Auto Reboot**
  When enabled the Auto Reboot feature will reboot your modem, router, and/or any other device critical for internet access should the PowerPlay go more than 10 minutes without an internet connection. This feature ensures your Power Play is always available online.

2. Installation and Operating Instructions

2.1 Unpacking and Inspection

Upon receipt inspect the packaging for damage. Remove your PS AV Power Center from the box and inventory the package contents listed below. Immediately report any damage or missing components to the shipping agent and/or your dealer.

Package Contents

Item	Item Description	Quantity
1	Power Play AV-5000 or AV-3000	1 ea.
2	Quick Start User Guide	1 ea.
3	AC Input Power Cord	1 ea.
4	Rack Mount Kit	1 ea.

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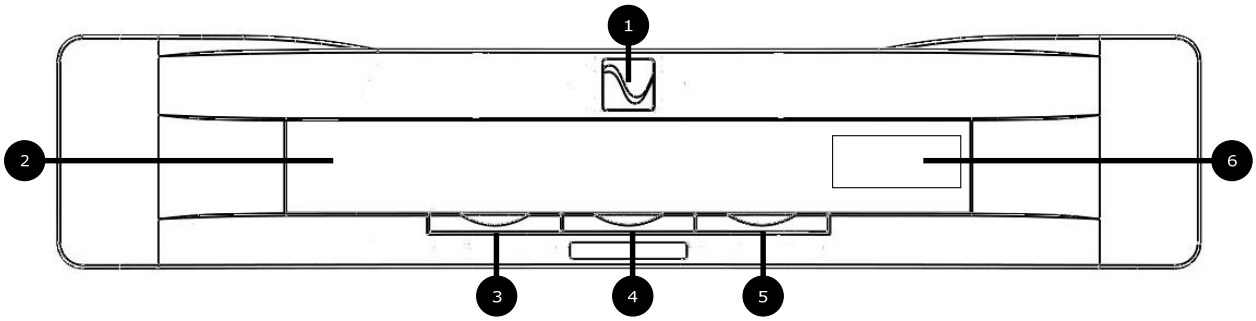
2.2 Overview

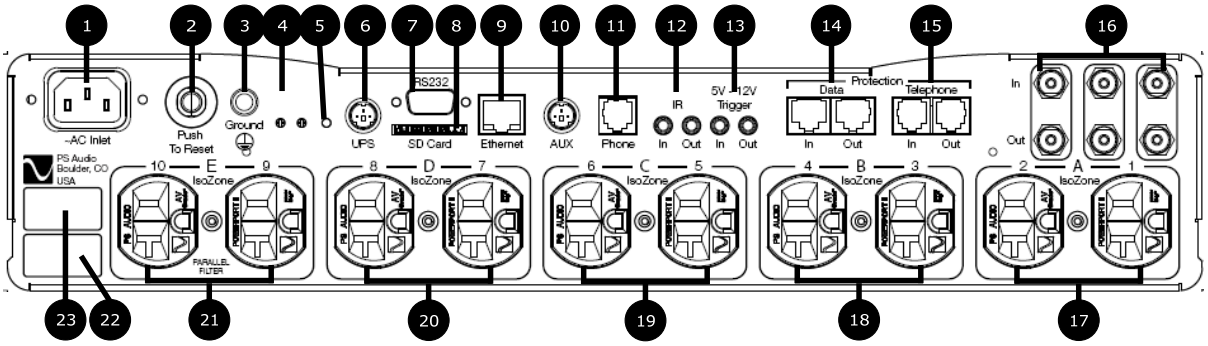
Device Overview

AV-5000 Front Panel



1. Power Button
2. Display/Touch Control Window
3. Select / Dim Button
4. Edit Up
5. Edit Down
6. Status LCD Display

AV-5000 Rear Panel



1. IEC AC Power Inlet
2. Circuit Breaker
3. System Ground Screw
4. Unit ID Number
5. Reset Button
6. UPS Communication Port
7. RS232 Communication Port
8. SD Card Slot
9. Ethernet Communication Port
10. Reserved For Future Use
11. Reserved For Future Use
12. IR Input and Output
13. 12 Volt Trigger Input and Output
14. Ethernet Protection
15. Phone Protection
16. Universal Coax Protection
17. IsoZone A
18. IsoZone B
19. IsoZone C
20. IsoZone D
21. Parallel Filter Zone
22. Unit Serial Number
23. Voltage Specifications

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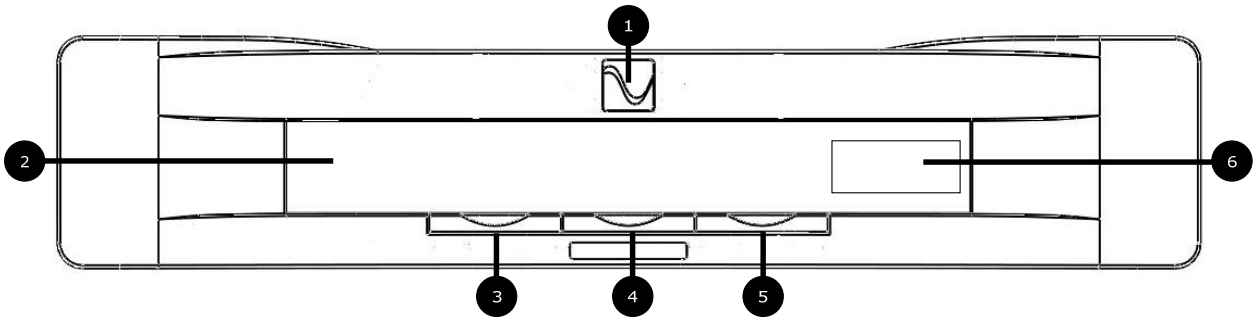
Installation and Operating Instructions

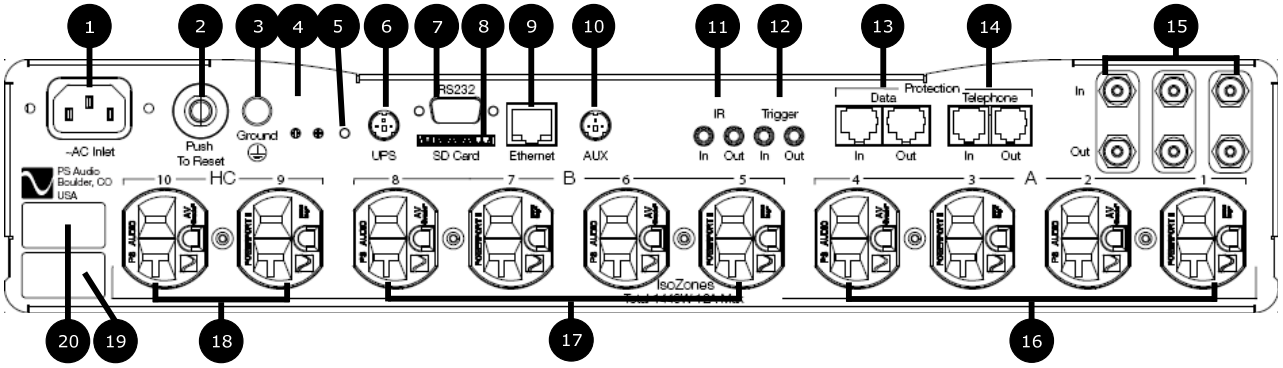
AV-3000 and AV-5000 Power Centers

AV-3000 Front Panel



1. Power Button
2. Display Window
3. Zone Button
4. ON/OFF Button
5. Status Button
6. Status LCD Display

AV-3000 Rear Panel



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2.3 Installation

Placement
The AV Power Center must be installed in a protected environment away from heat emitting devices. Do not install this unit where it may be exposed to excessive moisture.

Rack Mounting
Rack mounting hardware is provided for use with your PS AV Power Center. Please us only the included hardware for rack mounting the device.

Remove and retain the 3 #8 screws located on each side of the PS AV Power Center, nearest to the front faceplate. Use the same 3 #8 screws removed from the chassis to attach each of the rack mounting ears to the side of the unit. Finally use the 4 pan head screws to mount the unit in the rack.

Ventilation
Ensure adequate airflow around the device. Do not block any ventilation holes

Connect to AC
The voltage specifications for the PS AV Power Center can be found on the back panel of the unit. Prior to plugging the unit into the AC power ensure the voltage and frequency of the device match the power provided by the wall

Plug the PS AV Power Center into a 2 pole, 3 wire grounded receptacle (wall outlet).*

**When used with the optional PowerPack UPS-1500 plug the PS AV Power Center into the PowerPack using the included IEC male to IEC female cable and the UPS control patch cord.*

Determining the Load
If rated capabilities are exceeded an overload condition may occur and cause the device to shut down and/or trip the circuit breaker. In order to determine the load follow these steps:

1. Make a list of all devices you will power from the PS AV Power Center and the power consumption ratings of each. This information can generally be found on each device near the AC inlet or in the device's operations manual.

2. Calculate the sum of the consumption ratings

3. Ensure to the total consumption does not exceed the capabilities of the PS AV Power Center.

If the load exceeds rated capabilities we suggest using an additional PS AV Power Center device in order to protect and control your equipment.

> **Important:** If connecting the PS AV Power Center to an uninterruptable power supply (UPS), such as the PS Audio PowerPack, ensure your total load does not exceed the rating of the UPS.

Connect the Load
Connect each of the devices to be powered by the PS AV Power Center. Be sure to make a list of each device and the power zone in which they are located.

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NOTE – Devices with large inrush currents, such as amplifiers, should only be placed on the parallel filtering outlets. Although other outlets will power such devices, large inrush currents may damage the relays which control the on and off settings of the outlet.

Connect Phone
To protect any device which connects to the telephone line connect the telephone cable from the wall outlet to the "TELEPHONE IN" jack on the PS AV Power Center. Then connect the telephone cable to the "TELEPHONE OUT" jack on the PS AV Power Center and to the device.

Connect Satellite / Cable / Antenna
To protect satellite, cable, and/or antenna devices connect the coaxial cable from the wall to the coaxial "IN" jack on the PS AV Power Center. Then connect the coaxial cable to the vertically grouped "OUT" jack on the PS AV Power Center and to the device.

Connect to the Network
To protect any device which connects to the internet, connect the Ethernet cable from the wall outlet to the "DATA IN" jack on the PS AV Power Center. Then connect the Ethernet cable to the "DATA OUT" jack on the PS AV Power Center and to the device.

To enable web based control connect an Ethernet cable from a live connection to the "ETHERNET" jack on the PS AV Power Center.

2.4 Self Test and Power Up

When the PS AV Power Center is plugged into the wall or when it recovers from a power failure it will run a short self test. During the self test the device will illuminate the display window and display model and firmware information

Upon completion of the self test the PS AV Power Center may be turned on by pressing the PS Audio blue logo button in the center of the front panel.

2.5 IP Status

Once connected to the internet the PS AV Power Center's proprietary internet connection service will auto detect and configure the required settings. An IP status indicator light is provided on the front panel to indicate the status as follows:

Red – PS AV Power Center is not connected to the local network. Check to make sure the Ethernet cable is connected and an active network connection.

Blue (AV-5000) or **Green** (AV-3000) – The Power Center is connected to the local network and the Web. Configuration and control can now be performed through internal website.

By default the PS AV Power Center is setup to rely on a DHCP enabled router or switch. If you are unable or do not wish to enable DHCP on the router or switch please refer to section titled *2.6.2 Internal Website Configuration* to configure the PS AV Power Center as a static device within the local network.

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2.6 Configuration and Control

There are 2 methods for configuring and controlling the PS AV Power Center. The preferred and most powerful method of control is via the AV Power Center's internal website. The other method of configuration is accomplished via the front panel.

2.6.1 Internal Website

In order to control and configure the PS AV Power Center via the internal website the unit must indicate a network connection with either a blue or green IP status light. The internal website can be reached by either typing the unit's local IP address into your web browser or by simply typing "POWERCENTER" into your browser. The local IP address can be found by one of the following methods:

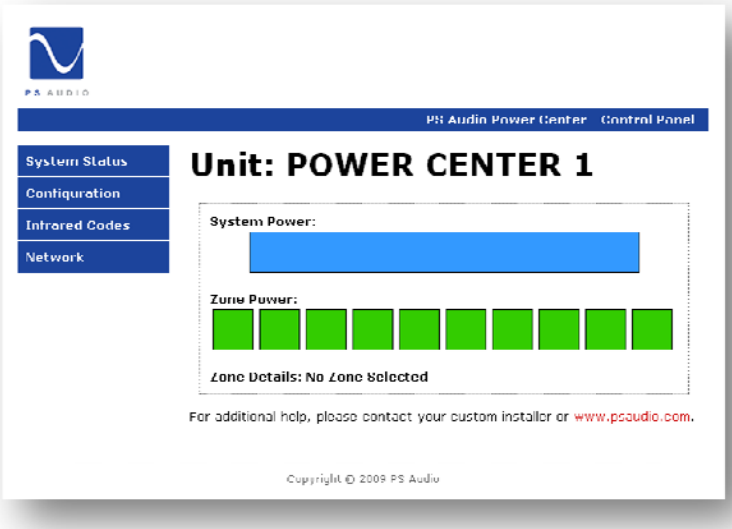
AV-5000 - touch the IP indicator repeatedly until the display window shows: "IP" "###.###.###.##"

AV-3000 - press the status button repeatedly until the display window shows: "IP" "###.###.###.##"

POWERCENTER is the default HOSTNAME. If you have multiple PS AV Power Centers in your home you may edit the HOSTNAME as outlined in the Network Settings below.

2.6.1.1 Control Panel – System Status

After entering the local IP address of your PS AV Power Center you will see the System Status page of the control panel. From this page you may control the *Master Power*, identify outlets, control outlets or access more advance controls



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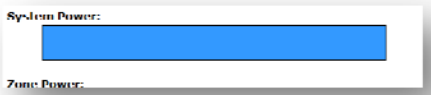
Master Power – To alter the power state of your PS AV Power Center click on the System Power bar. When
the *Master Power* is on the bar will be blue, and when off the bar will be red.

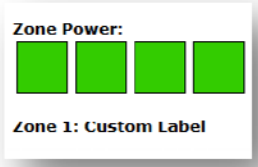
Master Power On

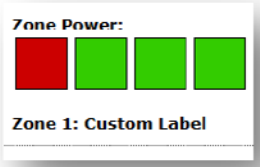


Master Power Off

Identify and Control Outlets – Outlet numbers and custom labels are displayed when the pointer hovers on top of the smaller boxes representing the outlets banks. Click on any outlet bank to toggle the power.

AV-5000





AV-3000

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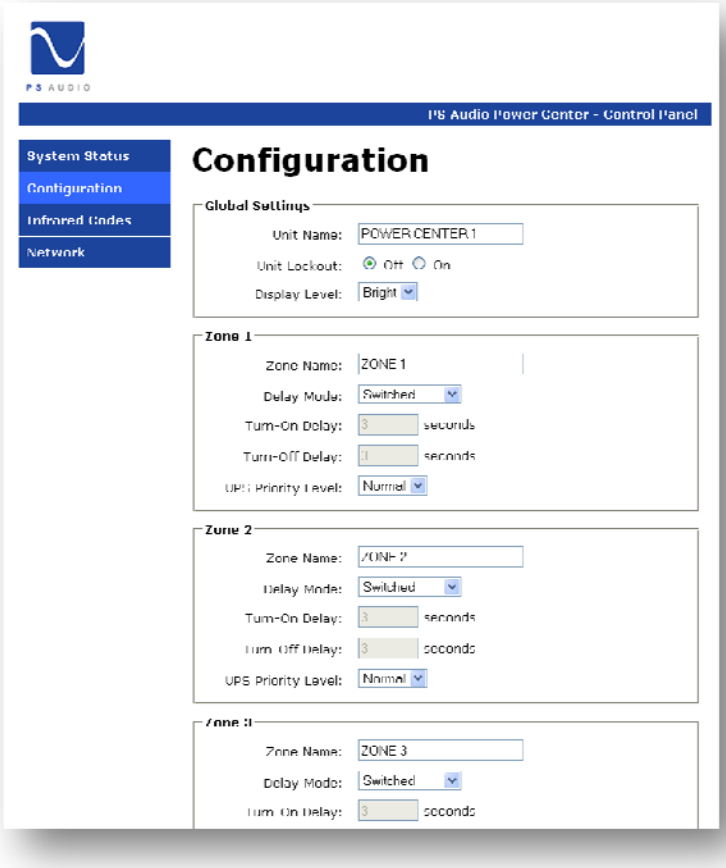
2.6.1.2 Control Panel – Configuration

The Configuration page allows you to control some of the more advanced features of PS AV Power Center such as device name, front panel lock, display outlet naming, Switch Mode and UPS Priority



2.6.1.2.1 Unit Name

You may enter a description of your PS AV Power Center to help you remember the location within your home, such as “Theater Rack”

2.6.1.2.2 Front Panel Lock

Use this feature to lock or unlock the front panel of your PS AV Power Center

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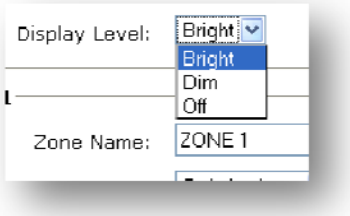
2.6.1.2.3 Display Level

Change the brightness of the PS Audio logo power button and display



Bright
Default - full brightness

Dim
Dims the display

Off
Defeats the display.

Note: When the Display Level is set to Dim of Off touching the capacitive display (AV-5000 only) or buttons will illuminate the display to Bright for 10 seconds and then return to the selected setting

2.6.1.2.4 Zone Name

You may label each outlet to match the device connected. Type the desired label in the text field above each outlet.

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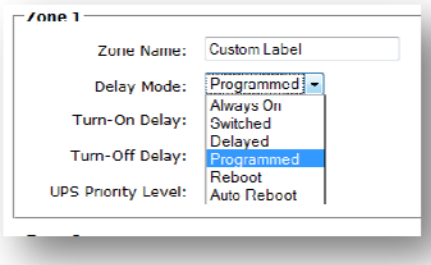
2.6.1.2.5 Switch Mode

Change the way each outlet interacts with the *Master Power* button by altering the switch mode as follows:



Always On
The outlet remains on regardless of the state of the Power Button

Switched
The outlet will follow the state of the Power Button

Delayed
The outlet will follow the state of the Power Button after a 3 second delay

Program Delay
The outlet will follow the state of the Power Button after a programmed delay. Note: The Program Delay can only be altered through the web based interfaces, the default is 3 seconds.

Reboot
The outlet is ALWAYS ON, but may be rebooted through the network via the internal website.

Auto Reboot
The outlet is ALWAYS ON, may be rebooted from the network via the internal website, and automatically reboots when no web connection is detected for 10 minutes. When Auto Reboot is selected you may use the on and off delays to sequence power of all Auto Reboot outlets.

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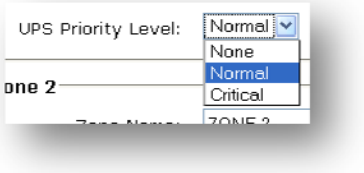
2.6.1.2.6 UPS Priority

When PS AV Power Center is connected to a PS Audio PowerPack battery backup you may control how each outlet shuts down in a battery backup situation.



Using the drop box you may select one of the following options:

None – No battery backup is provided to these outlets in order to quickly reduce the load and extend battery life. Use this setting for amps, subwoofers and other large draw devices.

Normal – Some battery protection is provided, but outlets turn off when the UPS reaches 25% battery remaining. Use this setting to safely shut down devices such as projectors or any other device which requires some user interaction to properly shut down

Critical – Full battery protection, outlets remain powered until the battery runs out. Use this setting for network critical or other devices which need to remain powered as long as possible.

Save

Important!! Changes made in the configuration tab must be confirmed by clicking on the *Save* button at the bottom of the page.

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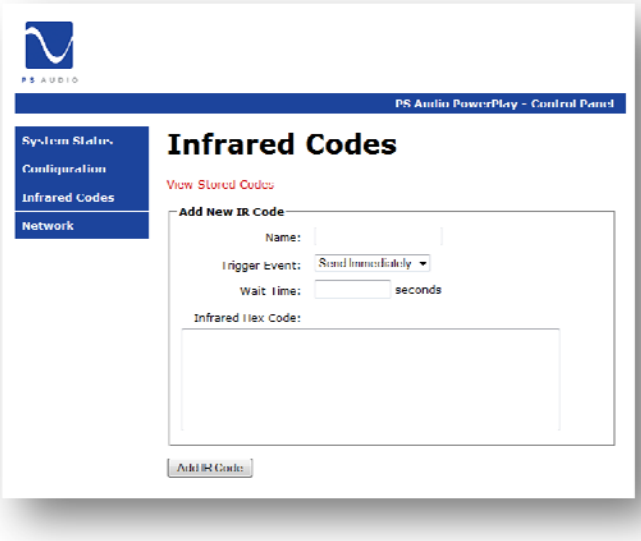
2.6.1.3 Control Panel – Infrared Codes

The Infrared Codes page allows you to setup your PS AV Power Center to issue IR commands to any connected device as if you were standing there with the original remote for the device. In order for this feature to work you must integrate your PS AV Power Center with an IR distribution system.

To add a new IR command click on *Add New Code*



1. Enter a name for the command you wish to setup.
2. Choose how you would like to trigger the event from the available options in the *Trigger Event* dropdown menu.
3. Cut and paste or type the desired hex code into the form.
4. Click *Add IR Code* button to save the command
5. Repeat for each code you wish to send.

To view and/or modify stored codes click on *View Stored Codes.* Commands may be edited as outlined above.

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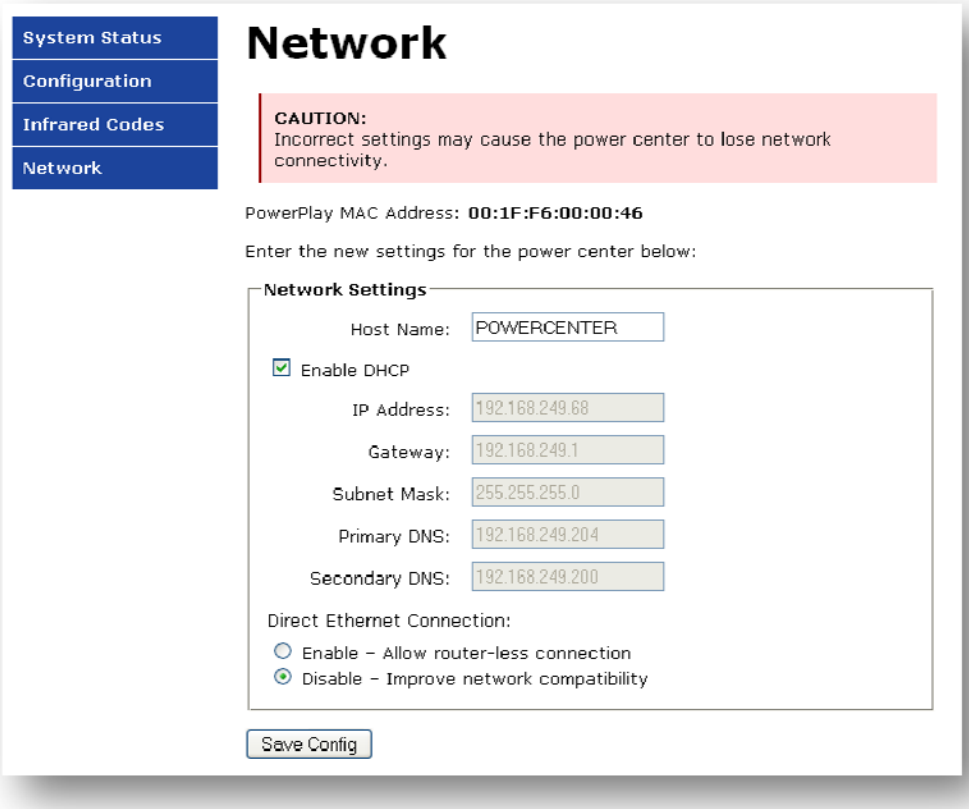
2.6.1.4 Control Panel – Network

The Network page allows you to modify the network settings of your PS AV Power Center unit. Please exercise extreme caution when modifying any settings as the incorrect settings will result in loss of network connectivity.



Host Name – The Host Name can be used to access your PowerPlay by typing a name into your browser rather than the local IP address. To alter the Host Name type the new name in the text field.

Enable DHCP – PowerPlay is setup to rely on a DHCP enabled router or switch. If you do not have DHCP enabled on your network or wish to set up your PowerPlay as a static address on the local network you may choose to disable DHCP by removing the checkbox. In order to maintain network connectivity you must know and complete the network settings.

Direct Ethernet Connection – By default this feature is disabled. Enabling Direct Ethernet Connection turn the DHCP server of the AV Power Center on. This feature is designed to be allow a direct connection for setup via a laptop or desktop computer without a router.

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NOTE: Any changes in the network setting will require a reboot of the Power Center.

IMPORTANT: It is highly recommended that the Direct Ethernet Connection be disabled after setup. Enabling the DCHP server can result in IP conflicts if other DCHP servers reside on the network.

2.6.2 Front Panel Configuration

Front Panel based setup offers very limited configuration and control of your PS AV Power Center. It is highly recommended that this option only be used when you are unable to setup PS AV Power Center via the network based through the internal web server, or to make small simple changes while in front of the unit.

2.6.2.1 AV-5000

From the front panel of the AV-5000 you may change the names of each outlet and the switch mode for the outlet.

2.6.2.1.1 PS AV Power Center *Master Power*

You may toggle the *Master Power* setting of your PS AV Power Center by pressing the blue PS Audio logo button located in the center of the front panel.

The *Master Power* setting will only affect the outlets you have set to Switched, Delay and/ or Programmed. All other outlets will remain on.

The IP Indicator will remain illuminated when the power is off.

2.6.3.1.2 IP and Device Status

You may look up the IP Status by touching the IP indicator. The status of PS AV Power Center will advance with each touch as follows:

1. Unit Name
2. Local IP Address
3. Hostname
4. Unit ID Number
5. MAC Address
6. Firmware Version

2.6.2.1.3 Controlling Outlets

Each outlet has a power indicator on the front panel. The color of the indicator shows the status of the outlet. Green is on and Red is off. The power of each outlet may be altered as follows:

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1. Select the outlet you wish to modify by touching the corresponding outlet on the front panel. Once selected the outlet will begin to flash.
2. Touch the outlet again while the indicator is flashing to toggle between power on and power off.

   Note: There is no delay or IR settings associated with direct panel control. Changes made to the power settings are immediate.

3. If no changes are made the indicator will stop flashing in 10 seconds.

2.6.2.1.4 Dimming the Display

The display may be dimmed or defeated by pressing the *SELECT* button while no outlets are flashing. The display will cycle through on, dim and off.

Note: When the display is defeated the entire display and all lights are off. To temporarily illuminate the unit press either of the *EDIT* buttons or touch the display panel. The display will remain illuminated for 10 seconds.

2.6.2.1.5 Switch Mode

1. Select the outlet you wish to modify by touching the corresponding outlet on the front panel. Once selected the outlet will begin to flash.

2. Press *SELECT* and in the LCD window you will see the Switch Mode begin to flash. We are now ready to modify the switch mode.

3. Pressing *EDIT UP* will cycle through the available Switch Modes as follows (*EDIT DOWN* cycles though the same list in reverse order):

   SW = Switched – The outlet will follow the state of the Power Button

   DLY = Delay – The outlet will follow the state of the Power Button after a 3 second delay

   PGM = Program Delay – The outlet will follow the state of the Power Button after a programmed delay. Note: The Program Delay can only be altered through the web based interfaces, the default is 3 seconds.

   RBT = Reboot – The outlet is ALWAYS ON, but may be rebooted through the web interface

   ARB = Auto Reboot – The outlet is ALWAYS ON, may be rebooted from the web interface, and automatically reboots when no web connection is detected for 10 minutes.

4. To confirm and save your selection press *SELECT* while the desired setting it flashing.

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2.6.2.1.6 Outlet Labeling

1. Select the outlet you wish to modify by touching the corresponding outlet on the front panel. Once selected the outlet will begin to flash.

2. Press *SELECT* and in the LCD window you will see the switch mode begin to flash. Press *SELECT* again, you will see the Outlet Label begin to flash. We are now ready to modify the Outlet Label.

3. Pressing *EDIT UP* will cycle through the available switch modes as follows (*EDIT DOWN* cycles though the same list in reverse order):

   Processor,
   Receiver
   DVD Player
   CD Player
   Transport
   DAC
   Tuner
   Projector,
   Television
   Cable TV
   Satellite
   VCR
   DVR
   Music Server
   Game
   Turntable
   Phono Amp
   Preamp
   Integrated
   Power Amp
   Power Amp #1
   Power Amp #2
   Power Amp #3
   Power Amp #4
   Subwoofer
   Automation
   Router
   Modem
   Network
   Zone # (default)

4. To confirm and save your selection press *SELECT* while the desired setting is flashing.

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2.6.2.2 AV-3000

From the front panel of the AV-3000 you may alter the main system power, check device status, and alter the power state of any zone.

2.6.2.2.1 PS AV Power Center *Master Power*

You may toggle the *Master Power* setting of your PS AV Power Center by pressing the blue PS Audio logo button located in the center of the front panel.

The *Master Power* setting will only affect the outlets you have set to Switched, Delay and/ or Programmed. All other outlets will remain on.

The IP Indicator will remain illuminated when the power is off.

2.6.2.2.2 IP and Device Status

You may look up the IP Status by pressing the STATUS button. The status of PS AV Power Center will advance with each press as follows:

1. Unit Name
2. Local IP Address
3. Hostname
4. Unit ID Number
5. MAC Address
6. Firmware Version

2.6.2.2.3 Controlling Zones

Each Zone can be independently controlled via the front panel.

1. Select the desired zone by pressing the SELECT button
2. Alter the state of power to the outlet bank by pressing the ON/OFF button while the correct Zone is indicated in the LCD window.

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PS AUDIO

Warranty

AV-3000 and AV-5000 Power Centers

Terms and Conditions

PS Audio provides a 90 day manufacturer's warranty on all new PS Audio components. PS Audio offers an optional extended 3 year warranty in exchange for completing a valid product registration. This optional extended warranty is available for new products, when that product is registered through PS Audio with the serial number and name of the authorized dealer or distributor that sold it to you.

This optional extended 3 year warranty is available only under the above terms and conditions. The extended warranty is optional and sold worldwide in exchange for your registration information. Failure to register your product will preclude PS Audio from selling you its extended warranty. Products can be registered either on the web at www.psaudio.com, via the mail, or by calling PS Audio directly with the information.

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.

Remedy

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.

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.

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PH: 720.406.8946 service@psaudio.com www.psaudio.com

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PS AUDIO

Warranty

AV-3000 and AV-5000 Power Centers

Transfer of Warranty

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

Extended warranty policies:

1. By registering this product, via mail or internet, within 90 days of purchase, the warranty period will be extended to 3-years from the date of purchase.

2. To qualify for the extended warranty the Product must be purchased through an authorized PS Audio dealer or distributor.

3. 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 remove 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.

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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 shipm

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PS AUDIO

Service

AV-3000 and AV-5000 Power Centers

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 facilities for repair. Products shipped to 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 RMA 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.

Contact Information

To contact the PS Audio Service Department:

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.co

If you are in the United States 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.

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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

If you are outside the United States 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 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:

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

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PS AUDIO

Specifications

AV-3000 and AV-5000 Power Centers

5. Specifications

General

Weight	17lbs
Width	17 inches
Depth	16 inches
Height	4 inches
Height w/o Feet	3 inches
Rack Ears	Included

AC Power

Under Voltage Shutoff	90 VAC +/- 2 VAC
UL1449 Suppression Rating	340V
Total Current Capacity	15 A
Thermal Fusing	Yes
Protection Modes	L-N, L-G, N-G
Over Voltage Shutoff	144 VAC +/- 5 VAC
Peak Impulse Current	96,000 Amps
Line Voltage	120 V, 60Hz
Initial Clamping Level	200 V
Energy Dissipation	7344 Joules

EMI/RFI Filtrations

High Current Zones	60db. 100kHz – 2 MHz
All Others	80db, 100kHz – 2 MHz

DC Trigger Input

Voltage Input	5-15V DC,
Jacks	3.5mm Mono Mini-plug, Center Positive
Current Requirement	3mA @5V, 12mA @15V

DC Trigger Output

Voltage	Output: 12V DC +/- 25%,
Maximum Current	50mA
Short Circuit Protection	Yes

LAN Circuits

Wires Protected	8-Wires
Jacks	RJ-45 (2)
Compatibility	10/100bT
Clamping Voltage	11 V

Telco Protection

Wires Protected	4-Wires
Protection Modes	L-L and L-G
Connectors	RJ-11 (2)
Clamping Level	395 V

Universal Coax Protection

Shielded	Yes
Insertion Loss	<0.5dB
HD 1080 i/p Ready	Yes
Frequency Range	DC-2GHz
Connections	Female “F”, Gold Plated (6)
Clamping Level	75 V
Bidirectional	Yes

IR Input

Voltage	5-12 V DC +/-25%
Jacks	3.5mm Mono Mini-plug, Center Positive
Frequency	32-48KHz
Short Circuit Protection	Yes

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