



Owner's Reference

Owner's Reference Dectet Power Center

Instructions for Use



Dectet Power Center



Introduction

Owner's Reference Dectet Power Center

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 user serviceable 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.

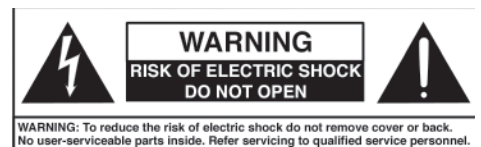
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The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.



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.





Introduction

Owner's Reference Dectet Power Center

Thank you

Thank you for your purchase of the PS Audio Dectet Power Center.

The Dectet is a state-of-the-art high-end power center that provides component level AC cleaning and protection in a compact package. The Dectet provides 10 outlets and 3 independent isolated zones as well as true surge and spike protection, over and under voltage protection and both differential and common mode AC filtering.

Dynamics never restricted

The PS Power Center will not restrict dynamics or soundstage in any high-end system and will, in fact, provide a superior level of performance in micro and macro dynamics as well as maintain harmonic integrity for audio equipment while increasing color saturation and lowering video noise in video equipment.

Heavy gauge OFC

The PS Power Center utilizes large core high permeability magnetic devices, wound with heavy gauge OFC windings for both common and differential mode filtering chores. This construction technique allows PS engineers to use a minimal amount of heavy gauge copper wire to build effective low loss filters, thus preserving micro and macro dynamics for both audio and video systems.

Built to the highest standards

PS Power Centers are built to the highest standards internally and externally and feature point-to-point hand wiring to each receptacle bank for superior isolation and performance.

PS Power Centers should provide years of trouble free performance for your connected equipment with the peace of mind they will be fully protected.



Getting Started

Owner's Reference Dectet Power Center

Location	Once your new Power Center is unpacked, you'll need to find a convenient place to set it.
Mounting	There are several ways to mount the Power Center: on the floor, on a shelf, or in a rack. If your equipment is located a long distance from the Power Center, it is preferable to use a long, heavy gauge shielded power cable between the wall AC receptacle and the Power Center, rather than long individual power cables between the equipment and the Power Center.
Isolation	<p>The Power Center can benefit from aftermarket isolation devices such as cones, spikes and Sorbothane pads.</p> <p>Once you have chosen the location for the Power Center you can use the supplied AC power cord to connect it to the AC wall receptacle or you can use an aftermarket power cord and receptacle.</p>
Power Cables	We strongly recommend the use of a PS Audio PerfectWave Power™ AC cable and a PS Power Port™ AC receptacle to feed the Power Center electricity. While the supplied power cable is adequate for the task, it is not going to provide the best performance. Choosing any PerfectWave Power cable will make a significant performance improvement over the stock power cable.
Conditioners	We do not recommend connecting any other power conditioning product before the Dectet Power Center.



Quick Start Guide

Owner's Reference Dectet Power Center

Power down first We would recommend that you power the entire system down, before attempting to connect equipment to the Power Center.

Plug in the Power Center Plug the Power Center into an AC receptacle with at least 15 amps of service (in the US) or 10 amps of service (in 230 volt countries), preferably using a dedicated AC line. A dedicated line means there is nothing else plugged into the wiring feeding the AC receptacle and that wiring returns directly to the AC breaker box.

Use the heaviest gauge shielded cable possible Use the heaviest gauge shielded AC power cable you can to connect a Power Center to its AC source. The heavier the gauge used, the less the chance for restricted dynamics in both audio or video systems.

Once the Power Center has been connected to an AC source it is time to connect your equipment. Each Power Center has three isolated zones called IsoZones™. These are individually isolated and filtered zones that clean and isolate the power between equipment. The Dectet has three IsoZones™ with multiple receptacles per zone. Each IsoZone is clearly marked.

IsoZones™ IsoZones should be used to isolate different genres of equipment from each other. For instance, you can group digital equipment together on a single IsoZone or multiple analog sources on yet another IsoZone. You should not mix digital, video or analog equipment on the same IsoZone if possible. Digital equipment would be a DVD player, CD player, DAC, computer, TIVO, or satellite receiver. Video equipment would be a VCR, TV or computer monitor. Analog examples would be a power amp, preamp, projector, turntable, or any type of tube equipment.

High Current On the Dectet, the first IsoZone is the High Current zone specifically for Power Amplifiers, subwoofers, receivers or large screen televisions. The High Current zone is a low loss common mode filtered zone specific to large power draw pieces of equipment. While the other two zones can also handle a large power draw product, it is recommended that these be reserved for source equipment.

It is important to use only the highest quality AC power cords that are well shielded to any connected equipment. It is a good idea to keep in mind that all equipment generates radiated noise when it is operating. This radiated noise is harmful to both audio and video system performance and is typically carried down the AC power line.

How to turn it on Once everything is connected you can press the blue PS logo light which will act as the on/off power button. When you power the unit on it will first measure the incoming AC to be certain it is at an acceptable level, which is +20% to -25% of the design voltage. So for example if your Dectet is a 120 volt unit, the acceptable power range is 144 volts maximum and 90 volts minimum or the unit will not power on.

Should the unit sense voltages out of the wall that are either too high or too low, the Power Center will shut down and disconnect all connected equipment. In this case, you will see the blue PS logo flashing on and off slowly, indicating the condition. Once the power has returned to its proper range of voltage, the Power Center will wait a few seconds and then reconnect the equipment



Questions And Answers

Owner's Reference Dectet Power Center

Should the unit be on all the time?

The Power Center is best left plugged in to the AC source at all times. The current draw is negligible and keeping it powered on will make sure the internal components stay working properly.

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

Are there any internal fuses?

There are no user replaceable internal fuses or circuit breakers inside the Power Center.

Placement of the Power Center is not critical. Placement with respect to other equipment can be important. In general, place the Power Center close to the equipment you wish to power. It is always preferable to have a long heavy gauge power cable feeding the Power Center if there is a distance problem.

Isolation?

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

Do cables make a difference?

Yes, cables make a difference. It is important to use the best power cables possible. Remember that everything you see and hear in an AV system is nothing more than the power from the wall modulated by a CD, DVD, turntable or tuner. You are actually "listening or viewing" the AC power. So it is critically important to connect your equipment with the heaviest gauge well shielded power cables you can afford. Power is the foundation of everyone's system.

Blinking logo light

A fast blinking logo power button means there is an over or under voltage situation and the unit has shut off. This occurs when greater than 20% of the rated voltage is exceeded or if the voltage is below 25% of the rating. The Power Center should automatically turn back on when the voltage on the line has returned to normal. If it does not, simply press the logo power button to reactivate the Power Center.

The Power Center is specific to your country's voltage. Do not use the Power Center on a voltage higher than it is rated for. For instance, do not take a 120 volt rated Power Center and attempt to use it in a 230 volt country. Failure to observe this cautionary note will void your warranty and may damage the Power Center. If you need to operate the Power Center at a voltage other than the voltage it was designed for, contact your dealer, distributor or the factory.



Troubleshooting

Owner's Reference Dectet Power Center

Power Center won't turn on

If no power comes out of the Power Center, check to make sure power is going into the Power Center. You can do this by testing the outlet it is plugged into with another device such as a lamp. Sometimes, we find Power Centers plugged into switched wall outlets. These are typically the lower of the two AC receptacles and are controlled by a light switch. If you still have no power to the wall outlet, check the circuit breaker for that outlet.

Check the circuit breaker and logo

If you have verified there is power to feed the Power Center, then press the circuit breaker button on the Power Center to be sure it is engaged. Check the Power Center's blue PS logo to see if it is lit. If not, press the logo itself. This is the power button.

Use the correct voltage

Lastly, make sure you are feeding the Power Center the correct voltage. The Power Centers are specific to your country's voltage. If, for example, you are trying to operate at 120 volt Power Center on 230 volts, it will not turn on. If all else fails, contact your PS dealer, distributor or PS directly for help.

If the power light blinks

If the blue logo power button blinks when you first plug in the Power Center to an AC receptacle, this is normal. The unit is calculating the voltage being fed to it.

If the logo light flashes quickly (~5 per second), it means the voltage has exceeded 125 (250) on the high side or dropped below 105 (210) volts on the low side. The blinking only indicates a potential problem. There is no harm in running most equipment at these higher and lower voltages.

Fast blinking vs. slow blinking

If the logo power light button flashes slowly (~2 per second) and the Dectet will not power on it means the MOV protection inside the Dectet has failed due to a heavy surge or spike. Failure of the MOV means the MOV protection device has served its purpose by protecting your equipment and it then shuts off the Dectet in order to continue protecting your connected equipment. In the rare event this should take place, the unit will require servicing to replace the MOV protection if your connected equipment is to remain safely protected from potentially damaging surges and spikes.

If you wish to temporarily disable the auto shutdown process until you can remove the Dectet and get it repaired, you can hold down the PS logo power button for 3 seconds which will reset the auto shutdown commands. While there is no problem in disabling this protection state, you should be aware that your connected equipment is no longer protected from surges and spikes. Over and under rated voltage conditions will be protected against.

If you have hum

If you experience a hum through the speakers once the Power Center is powering your equipment this can be caused by several things. The first is the source. If there is an excessive amount of buzz or noise from the loudspeaker, it may be caused by a ground loop, a light dimmer in the home, poor AC power, or any number of causes. The quickest way to determine where to start your search is to simply turn the preamplifier, integrated, receiver or Control Amplifier off, disconnect the audio cables between it and the sources, and see if the hum goes away when you turn the preamplifier, integrated, receiver or Control Amplifier back on. If it does, it's most likely a ground loop or buzz from a dimmer.

If this doesn't solve the problem this would indicate you probably have a ground loop between



Troubleshooting

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equipment and next you should follow these easy humbusting tips.

Ground loops

The easiest way to figure out where ground loop problems lie is by the process of elimination. You need to determine where the hum or buzz is coming from within your system.

If the hum/buzz goes away when you remove the inputs to the power amp, your next step will be to reconnect the amp and move further down the chain. It is important to do this in the correct order and take the time to perform the test in a methodical step-by-step manner.

If you have a preamp, or processor that is feeding the power amp, your next step would be to disconnect all inputs to the preamplifier or processor. Once these are disconnected, and the preamp or processor is connected only to the power amplifier, turn the system on and again, listen for hum. Should the hum now appear, it is a problem with your preamp or processor or their interaction with the power amp. Before returning the preamp or processor to the manufacturer, try a cheater plug to break a ground loop. Cheater plugs are simple devices that convert a three prong AC plug into a two prong AC plug and in the act of converting three prongs, to two prongs, they disconnect the ground from the wall socket. Try one of these on the preamp, or the power amp, or both.

If you determine that there is still no hum present when the preamp, processor or receiver is connected with no inputs, then selectively begin plugging in your various inputs one at a time. After each connection, check for hum until you discover the humming culprit. Use the same method described above to remove the ground on the offending piece of kit.

It could be the cable TV

VCR's, surround processors, and any device that is connected to a television cable or satellite dish can cause a loud buzz and should always be suspect. If, by the process of elimination described above, you determine it is a component like a VCR that is causing the hum/buzz to occur, and using a cheater plug or removing the ground pin on a PS xStream Power Cable doesn't help matters, it may be necessary to isolate the cable connection (CATV) with an isolation transformer. This inexpensive device is available at most Wal Mart, Radio Shack or department store type outlets and is sometimes called a 'matching transformer'. If you have problems finding one, call your local cable TV company for advice. The matching transformer will be placed between the cable TV cord and the VCR, TV or processor.

Just remember, take the system down to its simplest level of connection. Find a way to hook the system up with as many pieces of the system missing or not connected. Keep it simple and get it to the point where the hum's gone. Then start adding back components one at a time until the hum returns.

Finding the problem is 9/10th of the work in finding a solution.



Warranty

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Limited Three Year Warranty

Registering

Should I Register My Product?

- Registering your product validates the warranty start date.
- If you do not register your product within 30 days of service, a copy of your purchase receipt from an authorized PS Audio dealer may be used as a proof of purchase to establish the warranty start date.
- If no proof of purchase from an authorized PS Audio dealer or registration is provided, the production date of the product will be used to determine the warranty start date.
- Registration can be completed online, by phone, by mail, or by email.
- You may wish to sign up for PS Audio's monthly newsletters, specials, product updates, and/or Paul's Daily Posts.

Coverage

What Does this Warranty Cover?

This warranty covers defects in material and workmanship for products purchased from PS Audio or its authorized dealers and agents.

What Will PS Audio Do to Correct the Problem?

In the event your product fails your sole remedy under this limited warranty shall be to return the product to PS Audio or an authorized PS Audio repair center. The product will be repaired without charge for parts or labor, replaced, or the purchase price refunded through the original point of purchase, at the option of PS Audio.

What is the Period of Coverage?

This limited warranty is in effect for 3 years from the date the unit was first purchased from PS Audio or its dealers and agents.

Shipping

Who Pays for Shipping?

You are responsible to pay for the safe and proper shipment of the warranted product to PS Audio or its authorized repair center.

The PS Audio authorized repair center will pay the cost of returning the repaired or replacement product to you under this warranty.



Warranty

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Not Covered

What Does this Warranty Not Cover?

This warranty does not cover damage due to:

- Accidents, carelessness, improper transportation, misuse, neglect, or abuse
- Failure to follow the operating instructions that are provided by PS Audio in the owner's manuals (available for download at psaudio.com)
- Use in any manner inconsistent with PS Audio's operating instructions (available for download at psaudio.com)
- Lack of routine maintenance
- Connection to an improper voltage supply
- Alterations or modifications to the unit
- Improper or unauthorized repair, including repairs not authorized by PS Audio or a PS Audio authorized repair center
- Fire, lightning, flood, "acts of God," or other contingencies beyond the control of PS Audio
- Products purchased through an unauthorized source (if you have questions as to whether or not a dealer is authorized, please contact customer support at psaudio.com)
- Products with a factory-applied serial number that has in any way been altered, defaced, or removed

Limitations

Limitations on PS Audio's Obligations Under this Warranty

- In no event will PS Audio's liability to you exceed the original purchase price of the unit.
- This warranty does not cover the cost of custom installation, customer instruction, setup adjustments, or signal reception problems.
- This warranty does not cover consequential and incidental damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- In the event your warranted product cannot be repaired, PS Audio will replace or refund the unit. We reserve the right to replace any out-of-stock, discontinued, or limited edition products with a comparable product. Discontinued products may not be available for warranty replacement.

Warranty Transfer

How Can the Warranty be Transferred?

This warranty is for the benefit of the original purchaser of the product. The warranty may be transferred to a subsequent purchaser during the 3 year warranty period. To do this, you must contact PS Audio directly to set up transfer of registration.



If you require service in North America

How Do I Get Warranty Service?

To locate an authorized PS Audio repair center, for service assistance, or for help with the operation of a product or just for information, please contact PS Audio customer support.

Obtain an RMA number

Warranty Service Within the US

- You must first obtain a Return Merchandise Authorization Number (RMA#) to receive warranty service and prior to returning any item. Contact PS Audio or an authorized PS Audio repair center to receive an RMA#.
- You must put the RMA# on all returns. If it is not clearly marked, PS Audio will return the package back to you, freight collect.
- You should include a description of the problem, along with the RMA# inside the packaging.
- Original packaging should be used for the safe transit of your PS Audio unit to the repair center. If you do not have the original packing, PS Audio can sell and ship to you replacement packaging.
- You are responsible for the cost of shipping the product to a PS Audio authorized repair center. You should insure the product for its full retail cost in the event it gets lost or damaged in transit. PS Audio is not responsible for damage incurred in products sent to us.
- Shipping your product in non-PS Audio packaging may void this warranty. PS Audio reserves the right to charge you for new factory packaging to return your product after a repair.

Use original packing

State law

How State Law Applies

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If you are outside the US

Warranty Service Outside of the US

PS Audio has authorized distribution in many countries of the world. In each country, the authorized importing distributor has accepted the responsibility for warranty of products sold by that distributor. Warranty service should be obtained where the product was purchased.



Service

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Changes to Our Products

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 products without notice or obligation to any person.

Your Serial
Number

Your Purchase
Information

Date of Purchase