

# PHILIPS



Theatre Director™  
Advanced Surge Protection



## Owner's Manual & Warranty

Models SPP4200WA/17 / SPP4210WA/17 / SPP4220WA/17

## Introduction

Thank you for choosing Philips model SPP4200 / SPP4210 / SPP4220 Theatre Director™ Advanced Surge Protector. With Theatre Director, the home theater surge protector is moved off the floor behind the A/V cabinet up to the shelf or rack that holds all of the other components. This provides the ultimate in convenience when connecting all of the components. In addition to the convenience, Theatre Director is also technologically superior to standard surge protectors. With features such as our proprietary s-OV Technology, V3™ Advanced Surge Protection and ClearConnect Power Conditioning, Theatre Director truly takes home theater surge protection to a whole new level.

Please read and save this manual. It contains important information with regard to the proper installation and maintenance of the surge protector system. Failure to follow all instructions and warnings could result in damage to the surge protector or connected equipment and void the warranty.

Should you have any questions regarding the use of this product, please contact our customer service department at 800-852-4312.

## Included Items

Model	SPP4200	SPP4210	SPP4220
6ft. RG6 Coaxial Cable	1	1	1
6ft. RJ45 Network Cable	n/a	1	1
6ft. RJ11 Modem/Phone Cable	1	1	1
Rack-mount Brackets	1 pair	1 pair	1 pair

## Features

### *s-OV Technology*

Philips' s-OV (Smart Over-voltage) technology is a new, proprietary (patent pending) method of surge protection that is designed to protect connected equipment from catastrophic over-voltage events, such as lightning strikes, faulty wiring, etc.

Through a series of relays, when an over-voltage event occurs, the power to all connected equipment is completely disconnected preventing any possible damage to the equipment. When normal power is restored, Theatre Director's intelligent processor automatically resets itself for normal operation and equipment protection.

In addition to disconnecting power to all connected equipment, s-OV technology also prevents damaging voltage from passing through to the MOVs, which are there to protect your valuable equipment from everyday transient surges and spikes.

## ***V3™ Technology***

For the more common everyday transient surges and spikes that are most commonly caused by household appliances turning on and off, Theatre Director uses an advanced type of MOV (metal oxide varistor). This new type of MOV provides greater capacity to absorb surges and spikes, as well as better energy dissipation. The result is a more efficient, longer lasting surge protector.

## ***Clear Connect Power Conditioning***

The electrical current running through your home is filled with impurities referred to as electromagnetic interference (EMI) and radio frequency interference (RFI), which are caused by household appliances and electronics. If left alone, these impurities can show up in your home theater system in the form of picture or sound distortion and degradation. Our Clear Connect power conditioning technology purifies the electrical current before it reaches your sensitive components. This filtering process reduces EMI and RFI noise by up to 85 decibels (dB), among the highest level of noise filtration available today, keeping your equipment safe, picture sharp and sound crisp.

## ***Always-on AC Outlets***

Each model of Theatre Director is equipped with two AC outlets that are always on – regardless of the position of the main power switch. These outlets are useful for components that require a constant source of power to maintain programmed settings, such as a VCR, DVR, TiVo™, etc. While these outlets are not controlled by the main power switch, they are still protected by s-OV and V3 technologies.

## ***Switched AC Outlets***

The remaining AC outlets (number varies by model) are powered on and off with the main power switch on the front panel. All components connected to these outlets can be powered on and off at the same time by simply pressing the main power switch on the front panel.

## ***Coaxial Cable Protection***

Depending on the model, Theatre Director includes either 2, 3 or 4 sets (see feature chart page 4) of gold-plated coaxial cable protection. These connectors are useful protecting components that have incoming coaxial cables connected to them, such as satellite dishes, cable boxes, antennas, etc.

## ***RJ45 Networking Protection***

Should your home theater system incorporate incoming RJ45 networking cables, such as a media server or HDTV monitor with broadband web access, Theatre Director's RJ45 protection will keep the connected equipment safe from surges that can potentially enter through the incoming RJ45 network cable (not available on model SPP4200).

### ***RJ11 Modem/Phone Line Protection***

As with incoming coaxial or RJ45 networking lines, surges can also enter your system through standard RJ11 phone lines. Some A/V components, such as digital satellite receivers, DVRs, TiVo™, etc., require connection to a phone line. Theatre Director will protect your equipment from surges coming through this line too. In addition, should your system incorporate more than one component that requires a phone line connection, we included a 1-in / 2-out phone line splitter.

### ***Grounding Lug***

The grounding lug provides a common grounding point for components with separate ground leads, such as turntables.

### ***Resettable Circuit Breaker***

To prevent Theatre Director from possible overload damage, we have included a resettable circuit protector. The circuit breaker will only trip if the total current draw of all connected equipment exceeds 15 amps. Should this occur, the unit is most likely overloaded. Please unplug at least one component from Theatre Director before resetting the circuit breaker.

### ***Rack-mount Brackets***

The included adjustable rack-mount brackets will allow you to mount Theatre Director into an A/V rack system should you desire to do so. To adjust the depth of the front panel in the rack system, simply align the rack-mount bracket holes on the side panels of Theatre Director's cabinet with the corresponding holes on the brackets. Be sure to tighten the screws securely to prevent unexpected movement.

### ***8ft. Power Cord with Right-angle Plug and Off-set Cord***

The extra long 8ft. power cord allows you to place Theatre Director in the most convenient location possible – right next to the components it has been designed to protect. This also allows the use of shorter coaxial, RJ45 and RJ11 cables to connect your components, which reduces cluttered cables.

The right-angle plug allows you to place your home theater system cabinet closer to the wall than standard surge protectors will allow.

The off-set cord allows you to plug Theatre Director into the top outlet of a two-outlet receptacle without blocking the lower outlet.

## Feature Chart

Model	SPP4200	SPP4210	SPP4220
s-0V Technology	√	√	√
V3™ Technology	√	√	√
ClearConnect Technology	√	√	√
Always-on AC Outlets	2	2	2
Switched AC Outlets	6	8	10
Total AC Outlets	8	10	12
Coaxial Cable Protection	2 sets	3 sets	4 sets
RJ45 Network Protection	n/a	√	√
RJ11 Modem/Phone Protection	√	√	√
Grounding Lug	√	√	√
Resettable Circuit Breaker	√	√	√

## Front Panel Indicators

A series of intelligent LED indicators on the front panel of Theatre Director keep you informed of the power status at all times. The red light lets you know that the surge protection function is ready in the event it is needed. The green light lets you know that your electrical system is wired and grounded properly. The range of blue lights let you know what your current input voltage level is.

The main power switch, also located on the front panel, turns power on and off to all switched AC outlets. This single switch can be used to conveniently power on and off all components plugged into the switched outlets with the touch of one button.

## Connecting Your Equipment

1. Place Theatre Director in the desired location of your home theater system. Attach the rack-mount brackets, if desired, as described in the "Rack-mount Brackets" section of the Features above.
2. Plug the A/V components – that do not require a constant power source – into the switched AC outlets. These components can be powered on and off simultaneously with the main power switch on the front panel of Theatre Director.
3. Plug the A/V components that do require a constant power source (i.e., VCR, DVR, TiVo™, etc.) into the always-on AC outlets. Power to these components will not be controlled by the main power switch on the front panel of Theatre Director.
4. As needed, connect the incoming coaxial, RJ45 networking and RJ11 phone lines to the corresponding IN jacks.
5. Connect additional coaxial, RJ45 networking and RJ11 phone line cables from the OUT jacks on Theatre Director to the corresponding inputs on the A/V components.
6. Plug the main power cord into a standard 110V AC outlet.
7. Press the main power switch on the front panel – the switch will illuminate blue when power is on.
8. Operate the home theater system per the instructions supplied with the components.

## Specifications

Model	SPP4200	SPP4210	SPP4220
Maximum Input Voltage (VAC)	125		
Nominal Input Frequency (Hz)	60		
Maximum Output Power (Watts)	1875		
Maximum Line Current (Amps)	15		
AC Line Clamping Voltage	330		
Energy Dissipation (Joules)	4320	5400	6480
EMI/RFI Noise Filtering (dB)	85		
Maximum Transient Current (Amps; all lines)	288,000	360,000	432,000
Transient Response Time (nanoseconds)	<1	<1	<1
Power Cord Length	8ft.		
Coax Clamping Voltage	75		
Coax Attenuation	<1.0dB to 2.5 GHz		
Phone (RJ11) Clamping Voltage	395		
Network (RJ45) Clamping Voltage	n/a	8	
Unit Dimensions (W x D x H; inches)	16.96 x 14.76 x 1.73	16.96 x 14.76 x 3.46	
Unit Weight (pounds)	10.78	13.77	13.99
Product Warranty Period	5-years		
Connected Equipment Warranty	\$500,000	\$750,000	\$1,000,000

*Specifications subject to change without notice.*

## Warnings

TO PREVENT THE RISK OF ELECTRICAL SHOCK OR FIRE:

- This product is designed for indoor use only.
- Do not use in wet or damp areas exposed to moisture.
- Not recommended for use with aquariums. High humidity environments can cause corrosion and surface contamination, which may result in heat buildup and/or arcing between plug blades.
- Device must be properly connected to a grounded three-prong receptacle.
- Do not daisy chain the unit with another extension cord or multiple outlet device.
- Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

## Limited Product Warranty

Philips warrants to the original purchaser (Customer) only that this Philips brand Theatre Director Advanced Surge Protector (Product) shall be free of defects in materials or workmanship for a period of 5 years from the purchase date. If the product proves to be defective during that period, Philips will repair or replace it without charge for parts or labor. Repair or replacement will be Philips' only responsibility and the consumer's only remedy. **IN NO EVENT SHALL PHILIPS BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES; EXCEPT FOR (AND ONLY FOR) the specific limited agreement of Philips to provide certain warranty benefits regarding connected equipment listed in the "Connected Equipment Warranty" section.** [Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.]

To make a product warranty claim:

1. Call the Philips customer service number (919-573-7863).
2. Give a full description of the problem.
3. You will be given a Return Authorization (RA) number – no returned product will be accepted without an RA number.
4. Send the product, transportation prepaid, to Philips' address below.

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



## Connected Equipment Warranty

The Customer's exclusive remedy under any warranty, including this express Connected Equipment Warranty or any applicable implied warranty, and Philips' sole obligations, are as follows for "Connected Equipment": If, (a) the Product purchased and owned by the Customer is defective in materials or workmanship under the Limited Product Warranty, or any applicable implied warranty; (b) the stated Limited Product Warranty requirements have been met; and (c) none of the limitations or exclusions on warranty coverage apply; Philips will (as Philips elects, as permitted by law) repair, replace or pay the Agreed Damage Amount (defined below) for the item(s) of Customer's electronic equipment ("Connected Equipment") that is directly and properly connected to the Product, if (and only if) the Connected Equipment is damaged by (a) AC power line transients, spikes or surges on properly installed, grounded and code-compliant 120 volt power lines in the United States or Canada; or (b) transients, surges or spikes on standard telephone equipment lines or Base 10T Ethernet lines that are properly installed and connected (a "Power Disturbance"); and (c) is directly plugged into and properly connected to the Product in its original condition which is properly operated when a Power Disturbance passes through the Product, and (a) exhausts the protection capacity of the Product; or (b) damages the Product. **This provision sets out the only liability or any character of Philips for direct, indirect, special consequential, and/or incidental damages under our Limited Product Warranty, applies only to Connected Equipment, and all such liability is limited to the Agreed Damage Amount.**

Philips will inspect and examine the Product and the item(s) of Connected Equipment (or the Customer's written statement and repair cost estimates for those item(s)). **The Product *must* be returned for inspection by the Customer.** If the Product is not as warranted (under warranty terms applicable to the Product), and the damage to Connected Equipment is covered by this warranty, Philips will (in addition to warranty remedies for the Product itself), repair (or pay the costs of repair) or replace the Connected Equipment; or, at the option of Philips as permitted by law, pay to the Customer the Agreed Damage Amount for all items of the Customer's Connected Equipment.

## Agreed Damage Amount

The Agreed Damage Amount for all items of the Customer's Connected Equipment shall be the lesser of the amount determined under clause (a) or (b) below, reduced by any amounts described in clause (c) below.

- a) The fair market value of the equipment shall be the current value of the equipment specified in the most recent edition of Orion Blue Book (by Orion Research Corporation, Roger Rohrs Publisher) or a valuation as determined by Philips in its reasonable discretion.
- b) The following aggregate ceiling (maximum) amount for all Connected Equipment:
  - Model SPP4200: \$500,000
  - Model SPP4210: \$750,000
  - Model SPP4220: \$1,000,000
- c) The amount(s) of all payments the Customer received or is entitled to receive from its insurance or from other sources or persons for the Connected Equipment or damage to such equipment so that Philips' maximum liability shall be reduced to reflect all such other payments or sources of recovery.

If Philips replaces the Connected Equipment, or pays to the Customer the Agreed Damage Amount, the Customer shall transfer such item(s) to Philips without warranty by the Customer, but free of lien or any other interest.

## LIMITATIONS: THESE WARRANTIES DO NOT COVER

The protection of the Limited Product Warranty and the Connected Equipment Warranty, or any applicable implied warranty, does not apply to any product used for commercial, institutional or industrial applications, any product that has had the battery replaced by the Customer, or to any product that has been damaged due to misuse, neglect, alteration, mishandling, accident, improper installation or unauthorized repair.

These warranties do not cover damage to Connected Equipment or apply if the Product has been operated in a failure mode, or not in compliance with the operating instructions; or if the Connected Equipment has been operated in a failure mode or not operated in compliance with the instructions and manuals of its manufacturer/vendor.

The Connected Equipment Warranty covers only damage within the specific terms of this document to Connected Equipment; and only to the ceiling amount as described in the "Agreed Damage Amount" section of this document.

## **OTHER EXCLUSIONS**

Philips does not cover or undertake liability in any event for any of the following:

- 1.** Loss of or damage to data, records or software; restoration of data or records; or re-installation of software.
- 2.** Any amount of money that the Customer may recover from other sources regarding the Connected Equipment Warranty; including insurance, other warranty or extended warranty coverage. The obligations of Philips hereunder, including payment of Agreed Damage Amount, shall be reduced by (be credited for) all other recoveries, payments or sources of payment.
- 3.** Damage from causes other than AC power line transients, spikes or surges on properly installed, grounded and code-compliant 120 volt power lines in the United States or Canada; or transients, surges or spikes on standard telephone land lines, PBX telephone equipment lines or Base 10T Ethernet lines, when properly installed and connected. (This exclusion applies, for example, to fluctuations in data transmissions or reception by CATV or RF transmission or fluctuations, or by transients in such transmission).
- 4.** Damage from any circumstance described as excluded above with respect from the Product.
- 5.** Damages from fire, flood, wind, rain, rising water, leakage or breakage of plumbing or any other acts of nature; from abuse, misuse, alteration, etc. of either the Product or the Connected Equipment.

## **Additional Philips Products**

Look for these other fine Philips brand products from Philips at an electronics retailer near you:

Should you have difficulty locating Philips brand products, please visit our website at [www.Philips.com](http://www.Philips.com) or call 919-573-7863

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