

HANDBOOK

Choosing the right surge protector

Make sure you have the correct surge protector for your connected equipment. Philips makes a full range of power products for almost every type of electronic equipment. Power surges can occur on any line running into your home or office. This includes AC power lines, telephone lines, and coaxial lines. A properly installed surge protector will ensure protection from the power surges that continually hit your electronic equipment. If your connected equipment has connections through a telephone or coaxial line, Philips strongly recommends that you purchase and properly connect your equipment to a surge protector designed to protect those features. If you receive a power surge through your phone or coaxial line, and your equipment is not properly connected to a surge protector designed to protect those surges, any problems that arise will not be remedied under the warranty.

This product, like all surge protectors, has a limited life. Even under normal circumstances, and in the absence of defects, the product's life will end when the components providing surge protection exceed capacity and cease to provide protection from surges and spikes. This surge device features an internal protection that will disconnect the surge protective component at the end of its useful life, but will maintain power to the load (connected equipment) - now unprotected, thus, acting as a multiple outlet strip. If this situation is undesirable for the application, the surge protector should be replaced. Units with Power Blocker™ protection will cease to conduct power through the unit once they have reached capacity. At that time, the unit needs to be replaced to ensure proper protection. Units with Power Blocker™ 2 technology will cease to conduct power through the unit once the MOV's have reached capacity. In the event of an overvoltage condition, the Instant Reset button on a Power Blocker™ 2 product will trip, and the unit will not conduct electricity. The user can reset the circuit after the event to restore surge protection. If the red led goes out on a Power Blocker™ 2 product, the unit needs to be replaced to ensure proper protection. The Power Blocker™ 2 instant reset feature protects the AC lines, and is not applicable to telephone or coaxial lines.

Standard surge protectors are not designed to protect against sustained low voltage situations. Sustained low voltage situations can cause damage to some connected equipment. If you are in an area prone to sustained low voltage situations, you should purchase an Uninterrupted Power Supply (UPS) with surge protection.

Power Blocker™ Protection Feature

Philips products with Power Blocker™ protection are designed to sacrifice themselves in order to save equipment connected to it. Their circuitry is designed to cut off all power to AC outlets in the event of an electrical or power surge that overwhelms their protection. If your surge protector is not allowing current to pass and the protection working LED is off, then your surge protector has performed its duty - protecting your equipment - and you must purchase a new unit to replace the expired unit.

Equipment connected to products with Power Blocker™ protection will be additionally covered in the event of equipment damaged by a lightning strike. No surge protector will entirely protect against a direct lightning strike. The surge protector itself is expected to be damaged, thus performing its duty, and you must purchase a new unit to replace the damaged unit.

Installation instructions

Power Connections

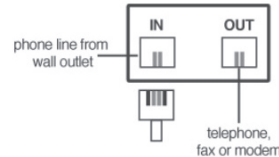
Your Philips surge protector should be plugged directly into a properly grounded outlet. All connected equipment should be plugged directly into your surge protector. Using any extension cord, adapters, other grounding wires or electrical connections in conjunction with a Philips surge protector will void all Philips warranties. (For longer cord applications, use a Philips surge protector with a 10 or 12 foot power cord.) *All wires leading into the equipment, including telephone and coaxial lines, must pass through an appropriate Philips surge protector:*

Philips surge protectors use an indicator display light to alert you to your surge system's effectiveness. The "Protection Working" indicator light shows "ON" when surge protection circuitry is functioning properly. If that light is off, it indicates that your surge unit has reached capacity and is no longer able to protect against surges. Some units also have a "Ground" indicator light to show you that the wall outlet is wired properly.

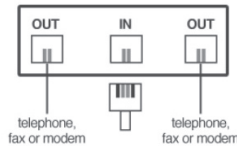
Phone/Fax/Modem Connections

Some Philips surge protector models come with Solid State Phone/Fax/Modem surge protection. Instead of running a connection directly from your Phone/Fax/Modem to the wall jack, you must pass the connection through the protected jacks on your surge protector.

- Connect your phone/fax/modem line from your wall outlet to the "Input" jack on the surge protector. Connect a phone cord into the "Output" jack on the surge protector, and connect the other end of the phone cord to the phone/fax/modem jack of the device you want to protect.
- To claim damage under the Connected Equipment Warranty as a result of telephone service line transients, equipment must be properly connected to a Philips surge protector which offers telephone line protection, and your telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance. (Such devices are normally added during telephone line installation.)
- If you fail to connect the phone/fax/modem protection your connected equipment will not be covered by the Connected Equipment Warranty. Most modem damage can be prevented if you take the time to connect the phone/fax/modem protection.

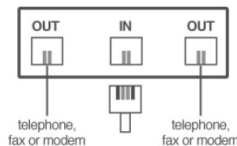


IN/OUT Phone Line Protection



Splitter Phone Line Protection

Splits incoming phone line into two outs. Ideal for people with one telephone number, who use a modem and telephone. Note: Modem and phone can not be used at the same time.



2-Device Phone Line Protection

Advanced two-line phone/modem/fax protection. Allows use of two devices simultaneously.

- Surge protector models with telephone protection are designed to provide maximum protection from surges present on standard two wire "dial up" telephone service. Other communications networks which happen to use modular jacks may not benefit from this protection. CAUTION: The telephone feature of this product could be rendered inoperable if improperly installed.

Coaxial Cable Connections

Some Philips surge protector models come with Coaxial Cable surge protection. Instead of running a connection directly from your TV/VCR/Cable Box to the wall jack, you must pass the connection through the protected coaxial connections on your surge protector.

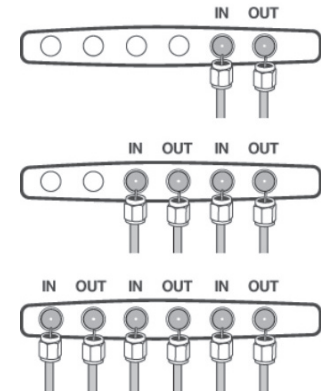
- Connect your incoming cable/broadband line to the "Input" coaxial connector on the surge protector. Connect a coax cable into the "Output" coaxial connector on the surge protector, and connect the other end of the Coaxial Cable to the input coaxial connector of the device you want to protect.

- To claim damage under the Connected Equipment Warranty as a result of coaxial line transients, equipment must be properly connected to a Philips surge protector which offers coaxial line protection.

- If you fail to connect the Coaxial Cable protection, your connected equipment will not be covered by the Connected Equipment Warranty. Most TV/VCR damage can be prevented if you take the time to connect Coaxial Cable protection.
- Surge protector models with coaxial protection are designed to provide maximum protection from surges present on standard coax/broadband lines. Other communications networks, such as antennas, satellite dishes, which happen to use coaxial connections may not benefit from this protection. You should select a Philips model specifically designed for DBS products for additional protection. CAUTION: The coaxial feature of this product could be rendered inoperable if improperly installed.

If you have additional questions, or if you would like to locate the Philips retailer nearest you, please contact our customer service department at (800) 233-8413.

Note: This device features an internal protection that will disconnect the surge protective component at the end of its useful life but will maintain power to the load - now unprotected. If this situation is undesirable for the application, follow the manufacturer's instructions for replacing the device.





www.philips.com

LIMITED WARRANTIES

Philips, Inc. ("Philips") provides one or both of the following warranties (Surge Protector Limited Warranty and Connected Equipment Limited Warranty) to the original consumer of surge protectors sold under the Philips brand names.

Provisions Applicable to Each Warranty

These warranties apply only to natural purchasers of surge protectors for personal, family or household use, not to commercial, institutional or industrial purchasers. These warranties are valid only in the United States and Canada.

THESE WARRANTIES ARE IN LIEU OF ALL OTHER EXPRESS WARRANTIES; AND ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY.

EXCEPT AS PROVIDED IN THE CONNECTED EQUIPMENT LIMITED WARRANTY (IF APPLICABLE), IN NO EVENT SHALL PHILIPS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR MULTIPLE DAMAGES* ARISING OUT OF THE USE OF THE PHILIPS SURGE PROTECTOR.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. These warranties give you specific rights, and you may have other rights which vary from state to state.

*Examples of such excluded damages are loss of profits, loss of savings or revenue, loss of use of the surge protector or the connected equipment or any associated equipment, loss of software, cost of capital, cost of any subsequent equipment, facilities or services, downtime, the claims of third parties, including customers, and injury to property.

Surge Protector (Product) Limited Warranty

Philips warrants that this product shall be free from defects in material, workmanship and assembly, under normal use, in accordance with the specifications and warnings for the lesser of (i) one year from the date of your purchase of this product, or (ii) the date upon which this product has exceeded its capacity to protect against surges and spikes. The "Protection Working" indicator light will no longer be lit when this capacity is exceeded.

This warranty does not cover damages (a) as a result of an Occurrence (as defined below); (b) as a result of an accident; (c) resulting from the use of parts not manufactured or sold by Philips; or (d) resulting from modification of the surge protector. After any repair or modification of the surge protector by a facility not authorized by Philips, any problems that arise will not be remedied under this warranty.

This warranty extends only to the original purchaser of the product, and is not transferable. To exercise your rights under this warranty, you must provide proof of purchase in the form of an original sales receipt that shows the product name and the date of purchase. For customer support or to obtain warranty service, please call 800-233-8413. THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES. Philips' liability is limited to repair or, at its sole option, replacement of the product. Incidental, special and consequential damages are disclaimed where permitted by law. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

Connected Equipment Limited Warranty

Philips warrants to the original consumer that it will, at its sole option, repair or replace any equipment properly connected through a Philips surge protector to a properly wired AC power line with protective ground and telephone/coax lines, which is damaged by *impulses* from lightning, or other power transients, or by momentary (less than 1ms) voltage surges or spikes (an "Occurrence") if (a) the surge protector did not function properly and protect the equipment because it had defects in assembly, materials, or workmanship, causing it to operate outside design specifications; (b) the surge protector shows clear signs of damage; and (c) the damage resulted from the Occurrence.

This warranty does not cover (a) damages caused by acts of God, including flood, erosion, or earthquake, but excluding lightning on products with Power Blocker™ technology; (b) damages caused by a sustained low voltage situation, or a low voltage disturbance, including brownouts, sags, or power outages; (c) damages caused by war, vandalism, theft, normal use wear-and-tear, depletion, obsolescence, abnormal care or uses, or abuse; (d) damage due to non-authorized program or system equipment modification or alteration; or (e) damage to equipment that was not directly connected to the surge protector at the time of the Occurrence.

This warranty extends through the lifetime of the surge protector, which means until the surge protector has exceeded its capacity to protect against surges and spikes. The "Protection Working" indicator light will no longer be lit when this capacity is exceeded. The capacity of the surge protector will be exceeded after an Occurrence.

This warranty is limited to losses that are not covered by a warranty from the manufacturer of the connected equipment, or by the consumer's homeowners insurance or renters insurance policy. Consumer agrees to first seek coverage under any such warranty or policy, and not seek duplicate coverage from Philips. Consumer agrees to provide insurance information to Philips, at its request; and after a claims settlement, if applicable, Philips reserves the right to be subrogated under any existing warranty from the manufacturer of the connected equipment or under any existing insurance policies the claimant may have.

This warranty is limited to surge protectors which indicate on the packaging an accompanying connected equipment warranty. After any repair or modification of the surge protector by a facility not authorized by Philips, any problems that arise will not be remedied under this warranty

Your Philips surge protector must be plugged into a properly grounded outlet. All connected equipment must be plugged directly into your surge protector. Using any extension cord, adapters, other grounding wires or electrical connections in conjunction with a Philips surge protector will void all Philips warranties. All wires leading into the equipment, including telephone and coaxial lines, must pass through an appropriate Philips surge protector.

To claim damage as a result of telephone service line transients, equipment must be properly connected to a Philips surge protector which offers telephone line protection (see Handbook for installation instructions), and your telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance. (Such devices are normally added during telephone line installation.) If you fail to connect the telephone line protection properly, your connected equipment will not be covered by the Connected Equipment Warranty.

To claim damage as a result of coaxial line transients, equipment must be properly connected to a Philips surge protector which offers coaxial line protection (see Handbook for installation instructions). If you fail to connect the coaxial cable protection properly, your connected equipment will not be covered by the Connected Equipment Warranty. To make a warranty claim, consumer must contact the Philips customer service department at (800) 233-8413 and provide a full description of the damage. The customer service department will provide the consumer with a Return Authorization number (RA#). Philips will determine, at its sole discretion, whether consumer should send the damaged equipment and the surge protector to Philips, or to an independent repair facility. If Philips so requests, the consumer must, at his/her own expense, send the damaged equipment and the surge protector, along with a copy of the sales receipt, to the specified location, in secure packaging (to prevent further damage) with the RA# clearly displayed on the outside of the package, and with a full written description of the problem, including the consumer's name, address, and daytime phone enclosed. Philips also reserves the right to examine the site where the damage occurred.

If the surge protector is covered under the Surge Protector Limited Warranty, as discussed above, Philips will either repair or replace the surge protector. If Philips determines that the Connected Equipment Limited Warranty covers the damaged equipment, and that the equipment was damaged as a result of the surge protector which is covered under the Surge Protector Limited Warranty, Philips will either (a) authorize repair of the connected equipment, at a cost up to the maximum amount set forth on the packaging of the surge protector involved; (b) provide the consumer with an equivalent equipment replacement; or (c) reimburse the consumer for the present fair market value of the damaged connected equipment. The present fair market value of the equipment will be determined according to the current value specified in the most recent edition of the Orion Blue Book by Orion Research Corporation, Roger Rohrs Publisher. If, applicable, the equipment will be returned from Philips to the consumer at Philips expense.