



## Satellite and Home Theater Surge Protector

- Detects and protects against a power surge of up to 6,000 Volts and 61,000 Amps in 1 nanosecond (1 billionth of a second).
- Protects connected equipment from surges of up to 1,080 Joules.
- Lets you plug up to eleven devices into your surge protector (four switched and seven unswitched), then use the surge protector's Master Power Ring™ to turn the devices you plugged into the four switched outlets on or off together.
- Convenient right angle plug.
- Has coaxial connectors for protection against surges through cable TV or antenna cables.
- Has modular phone jacks for protection against surges through telecommunication wires.

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

### Cautions:

- This surge protector is not a lightning arrestor and might not protect against lightning-induced voltage surges.
- Be sure the combined wattage of all connected devices does not exceed 1,800 watts.
- Use the surge protector only with a three-prong standard AC outlet or a grounded two-to-three prong adapter. The surge protector cannot provide protection without a grounded AC source.
- The equipment you plug into the surge protector must have the same voltage and frequency ratings as in "Specifications."

Protect your valuable components from damage caused by sudden increases in electrical power inside or outside your home, caused by air conditioners, refrigerators, and other appliances switching on and off. Your surge protector absorbs these *spikes* and *surges*. It also improves the performance of connected components by filtering electromagnetic and radio frequency interference.

When your surge protector's Protected When Lit light is lit, your surge protector protects your equipment by absorbing surges and spikes within the limits of its specifications. If a strong surge or spike damages connected equipment while the Protected When Lit light is on, refer to the "RadioShack Limited Warranty and Connected Equipment Guarantee" for claim conditions and procedures.

Your surge protector's Grounded When Lit light shows the surge protector is properly grounded. If it does not light, check your wiring for proper grounding.

When the rated current is exceeded, the resettable 15-amp circuit breaker (located on the side of the case) opens to prevent possible damage, and its plunger pops out. To reset the surge protector, unplug one or more of the connected devices and allow the surge protector to cool, then push in the plunger.

**Important:** A surge or spike beyond the specified limits might overload the protection circuitry and render it inactive. If this happens, the surge protector's Protection Failure Alarm sounds. The surge protector should absorb enough of the surge to protect the connected equipment, but it will not protect against *future* surges and spikes. If this happens and the Protected When Lit light goes out, replace the surge protector.

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## CONNECTIONS

1. Turn off power to the equipment you plan to connect.
2. Set **On/Off** on the surge protector to **Off**.
3. Connect the coaxial cable from a satellite dish or antenna to the surge protector's coaxial **Satellite In** or **Antenna In** jack. Then use an F-connector coaxial jumper cable (not supplied) to connect the surge protector's matching **Satellite Out** or **Antenna Out** jack to the receiver's input jack.

**Note:** For the best connections, use cables with screw-on F-connectors.

4. Connect a modular telephone cord (not supplied) from the surge protector's modular **Telephone In** jack to a standard telephone wall jack. Then connect the surge protector's modular **Telephone Out** jack to the IRD (integrated receiver decoder) box.
5. Plug the AC power cords from your television, IRD, VCR, and stereo into the surge protector's AC outlets. Then plug the surge protector into a standard AC outlet.  
**Note:** You can plug other equipment into accessory outlets on your audio/video equipment, but this affects the total combined wattage.
6. When all connections are complete, set **On/Off** on the surge protector to **On**. The green Protected When Lit Power Ring lights.
7. Turn on each piece of connected equipment and confirm that it operates properly.

## FCC INFORMATION

This surge protector has been tested and found to comply with all applicable UL and FCC standards.

We have designed your surge protector to conform to federal regulations, and you can connect it to most telephone lines. However, each device that you connect to the telephone line draws power from the telephone line. We refer to this power draw as the device's ringer equivalency number, or REN. The REN is shown on the bottom of your surge protector.

If you use more than one telephone or other device on the line, add up all of the RENs. If the total is more than five (three in rural areas), your telephones might not ring. If ringer operation is impaired, remove a device from the line.

Your surge protector complies with Part 68 of *FCC Rules*. You must, upon request, provide the FCC registration number and the REN to your telephone company. Both numbers are shown on the bottom of your surge protector.

**Note:** You must not connect your surge protector to:

- coin-operated systems
- party-line systems
- most electronic key telephone systems

## SPECIFICATIONS

Line Voltage .....	120 VAC
Line Current .....	15 A
Maximum Wattage .....	1,800 W
Frequency .....	60 Hz
Operating Environment .....	-40° to 158°F
Humidity .....	0–99%
Noncondensing Cord Length .....	7 ft.
Circuit Breaker .....	15 A
Maximum Surge Voltage .....	6,000 V
Maximum Surge Current .....	61,000 A (AC Line: 41,000 A, Coax Line 1: 20,000 A)
Maximum Energy Dissipation .....	1,080 J (AC Line: 740 J, Coax Line 1: 340 J)
Modes of Surge Protection .....	H-N, H-G, N-G
Clamping Response Time .....	1 Nanosecond
Indicators/Alarms ....	Green "Protected" and "Grounded" Power Ring, Protection Failure Alarm
UL 1449 Rating .....	330 V
Noise Frequency Range .....	100 KHz–100 MHz
Noise Attenuation Level .....	Up to 35 dB
Modes of Noise Rejection .....	Differential
Coax Protection .....	Tip-Ground, Ring-Ground

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

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## CARE AND MAINTENANCE

Your surge protector is an example of superior design and craftsmanship. The following suggestions will help you care for your surge protector so you can enjoy it for years.



Keep the surge protector dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the surge protector only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Keep the surge protector away from dust and dirt, which can cause premature wear of parts.



Handle the surge protector gently and carefully. Dropping it can damage circuit boards and cases and can cause the surge protector to work improperly.



Wipe the surge protector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the surge protector.

Modifying or tampering with the surge protector's internal components can cause a malfunction and might invalidate its warranty. If your surge protector is not performing as it should, take it to your local RadioShack store for assistance.

## Limited Two-Year Warranty and Connected Equipment Guarantee

**LIMITED WARRANTY** — This surge protector product is warranted by RadioShack to the original purchaser against manufacturing defects in material and workmanship under normal use for two (2) years from the date of purchase (the "Warranty Period") from RadioShack company owned stores and authorized RadioShack franchisees and dealers. In the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

**CONNECTED EQUIPMENT GUARANTEE** — RadioShack warrants to the original purchaser of the surge protector that if any electronic equipment (the "Connected Equipment"), which is properly installed and connected (as defined below) to the surge protector and is damaged during the Warranty Period by a transient voltage surge/spike from the AC power line, telephone line or coaxial line that enters the Connected Equipment through the surge protector, RadioShack will reimburse to the original purchaser of the surge protector the lower of the: (a) Connected Equipment repair charges; (b) purchase price of equipment comparable (as determined by RadioShack) to the Connected Equipment; or (c) original purchase price of the Connected Equipment, up to a maximum of ten thousand U.S. dollars (\$10,000.00) (the "Equipment Limit"). The Connected Equipment Guarantee does not cover data loss or any other damages excluded in the all capitalized paragraph below. In order to qualify for Connected Equipment reimbursement, the surge protector must be returned to RadioShack and inspection of the surge protector must show its protection capacity was exhausted by a surge. "Properly installed and connected" means the surge protector must be plugged directly into a properly wired and grounded AC outlet; no extension cords, adapters, other ground wires or electrical connections may be used to connect the surge protector to AC power. The wiring in the building must comply with all applicable codes (NEC, CSA, etc.), and all wires (power, telephone and coaxial) leading into the Connected Equipment must pass through the surge protector. To claim damage to Connected Equipment as a result of telephone line transients, the surge protector must provide telephone line protection, and your telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance. Primary protection devices are normally available from the telephone company and added during telephone line installation. To claim damage to Connected Equipment as a result of coaxial line transients, the surge protector must provide coaxial line protection.

This Limited Warranty and Connected Equipment Guarantee applies only to the original purchaser of the surge protector.

**EXCEPT AS PROVIDED HEREIN, RADIOSHACK MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RADIOSHACK SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY OR CONNECTED EQUIPMENT GUARANTEE, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RADIOSHACK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

To make a claim for surge-induced damage to Connected Equipment, you must:

1. Call RadioShack at (800) 297-6832 for a return authorization number during the Warranty Period. Under no circumstances will a claim for surge-induced damage to Connected Equipment be accepted without a return authorization number;
2. Have any surge-induced, damaged Connected Equipment repaired (or get an estimate for repair) by a service center authorized by the manufacturer of the Connected Equipment unless the service center determines that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment. If the Connected Equipment is not to be repaired, get a written quotation for the purchase price of comparable replacement equipment. In no event will RadioShack reimburse more than the Equipment Limit. The repair bill or estimate from the authorized service center must indicate that the damage to the Connected Equipment was surge-induced; and
3. Ship the original surge protector, postage prepaid to: RadioShack, 520 Fellowship Rd., Suite 306, Mt. Laurel, NJ 08054. Include: (a) your name, address and daytime telephone number; (b) the original or a photocopy of the sales receipt for the surge protector; (c) a brief description of any problem with the surge protector; (d) a brief description of how the damage to the Connected Equipment occurred; (e) the original authorized service center repair bill or estimate documenting that the damage to the Connected Equipment was surge-induced; and (f) if replacement equipment is to be purchased, the original or a photocopy of the quotation for comparable replacement equipment and the authorized service center repair estimate must contain a statement that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment.

If RadioShack determines that damage to Connected Equipment is covered, RadioShack will reimburse, up to the Equipment Limit amount defined above, to the original purchaser of the surge protector the lower of the: (a) repair charges; (b) purchase price of comparable replacement equipment; or (c) the original purchase price of the Connected Equipment. In addition, in the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

To make a warranty claim for a defect in the surge protector without a claim for surge-induced damage to Connected Equipment, you must, during the Warranty Period, take the surge protector and the RadioShack sales receipt as proof of purchase date to any RadioShack store.

All replaced parts, products, and Connected Equipment and products and Connected Equipment on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts in surge protectors and replacement surge protectors are warranted for the remainder of the Warranty Period. You will be charged for repair or replacement of the product made after the expiration of the Warranty Period.

This Limited Warranty and Connected Equipment Guarantee does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning; (b) any repairs other than: (i) surge protector repairs provided by a RadioShack Authorized Service Facility; and (ii) reimbursement of the cost of initial repairs to Connected Equipment performed by a service center authorized by the manufacturer of the Connected Equipment; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product or Connected Equipment removal, installation, set-up service adjustment or reinstallation.

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

RadioShack Customer Relations, 200 Taylor St., 6th Floor, Fort Worth, TX 76102

*We Service What We Sell*

7/99

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