



13.8VDC 15A Power Supply

Your RadioShack 13.8 VDC 15-Amp Regulated Power Supply is designed to power equipment that requires 12V DC automotive power. The power supply converts standard 120V AC household power to 13.8V DC power and can supply up to 15 amps of continuous power.

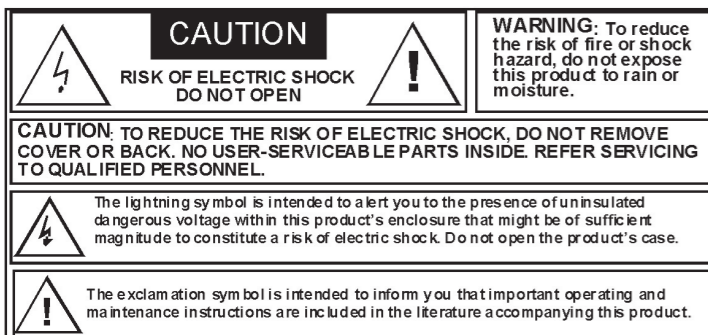


Note: Actual product may vary from the images shown in this document.

what's included

power supply

user's guide



connections

Make all other connections before you connect the power supply to standard AC power.

connect device with positive and negative wires

1. Turn off the device requiring power.
2. Turn off the power supply.
3. Turn the red and black binding output posts counterclockwise to expose the wire holes.



4. Insert the device's positive wire (usually red) into the red binding post's wire hole. Tighten the binding post to secure the wire in place.
5. Insert the device's negative wire (usually black) into the black binding post's wire hole. Tighten the binding post to secure the wire in place.
6. Connect the power supply's AC cord to a standard 120V AC outlet.

To avoid damage to the power supply and device:

- Make sure your connections match the correct polarity (+ to +, - to -).
- Do not let the ends of the positive and negative wires touch each other.
- The binding posts' wire holes can accommodate wire up to 18 gauge.

using your power supply

Press **POWER** to turn on the power supply. If **POWER** does not light:

- Check your connections and confirm the AC outlet has power.
- If the outlet has power, turn off the power supply and reduce the load (use a device that requires 13.8V DC or less). Press **POWER**.

Your power supply's overload protection circuit automatically shuts down the power supply when it becomes overloaded. It resets when you turn off the power supply.

important safety instructions

Read Instructions — Safety and operating instructions should be read prior to use.

Retain Instructions — The safety and operating instructions should be retained for future reference.

Heed Warnings — Follow all warnings on the appliance and in the instructions.

Cleaning — Unplug this appliance from the wall outlet before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

Water and Moisture — Do not use this appliance near water (for example, near a bathtub, washbowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool).

Mounting Accessories — Do not place appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing injury to a child or adult, and damage the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the appliance. Follow the manufacturer's mounting instructions, and use a recommended mounting accessory.

Ventilation — Slots and openings in the cabinet provide ventilation, ensure reliable operation, and protect from overheating. Do not block or cover these openings, and do not place the appliance on a bed, sofa, rug, or other similar surface. Do not place the appliance in a built-in installation such as a bookcase or rack unless it provides proper ventilation as specified by the manufacturer.

Heat — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances that produce heat.

Power Sources — Use this appliance with the power source indicated on its marking label. If you are not sure of your home's power type, consult your appliance dealer or local power company.

Grounding or Polarization — This appliance is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

Power-Cord Protection — Route power-supply cords so they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Cleaning — The appliance should be cleaned only as recommended by the manufacturer. Clean by wiping with a cloth slightly dampened with water. Avoid getting water inside the appliance.

Power Lines — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching power lines or circuits, as contact with them might be fatal.

Nonuse Periods — The appliance's power cord should be unplugged from the outlet when it is to be left unused for a long period of time.

Overloading — Do not overload wall outlets, extension cords, or integral convenience receptacles. This can result in fire or electric shock.

Objects and Liquids — Never spill liquids or push objects of any kind into this appliance through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock.

Carts and Stands — If the appliance is used with a cart or stand, the cart or stand should be a type recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces cause the appliance and cart combination to overturn.

Damage Requiring Service — Refer servicing to qualified service personnel under these conditions:

- * When the power-supply cord or plug is damaged.
- * Liquid was spilled or objects fell in the appliance.
- * If the appliance has been exposed to rain or water.
- * If the appliance does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to normal operation.
- * If the appliance has been dropped or damaged.
- * When there a distinct change in performance.

Servicing — Do not attempt to service this appliance yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Replacement Parts — When replacement parts are needed, use only parts specified by the manufacturer or parts with the same characteristics as the original part. Substitutions may result in fire or electric shock.

Safety Check — Upon completion of service or repairs, ask the service technician to perform safety checks to determine if the appliance is in operating condition.

Lightning — For added protection during a lightning storm, or when the appliance is unused for long periods of time, unplug it from the wall outlet. This prevents damage due to lightning and power surges.

Attachments — Do not use attachments not recommended by the product manufacturer as they may cause hazards.

Wall or Ceiling Mounting — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

specifications

Input Voltage	120VAC
Input Frequency	60 Hz
Output Voltage	13.8VDC ±0.7 Volts
Output Current	15 Amps DC continuous (max.)
Line Regulation	Less Than ±1%
Load Regulation	Less Than ±5%
Overload Protection	Fuse, 6.3A/250V
Output Ripple	200mVRMS
Design	Switching Type
Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Input Cable	18 AWG x 3C, SVT 6 Feet
Output Terminal	Binding Post 10 Amp/125 Volts
Power Switch	Illuminated, 10A/250 VAC
Dimensions (HWD)	6 ⁵ / ₁₆ x 6 ¹⁵ / ₁₆ x 2 ³ / ₁₆ inches (160 x 176.5 x 55 mm)
Weight	3.08 lbs (1.4 kgs)

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

the FCC wants you to know

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local RadioShack store or an experienced radio/TV technician for help.

If you cannot eliminate the interference, the FCC requires that you stop using your power supply. Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

limited go-day warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. For complete warranty details and exclusions, check with your local RadioShack store.

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