

13.8VDC 19A Power Supply

22-508B

Thank you for purchasing your 13.8VDC 19A Power Supply from **RadioShack**. It converts standard 120V AC household power to 13.8V DC power and can supply up to 19 amps of continuous power. Please read this user's guide before installing, setting up and using your new product.

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



1 Connect wires

1. Turn off the power supply and the device requiring power.
2. Turn the red and black binding output posts counterclockwise to expose the wire holes.
3. Insert the device's positive wire (usually red) into the red binding post hole and the negative wire (usually black) into the black binding post hole. Tighten the binding posts to secure the wires in place.

2 Connect to wall outlet

Connect to a standard 120V AC outlet.

3 Switch on the 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).

Overload Protection

Your power supply's overload protection circuit shuts down and recovers automatically when an overload condition is detected and removed.

To avoid damage to the power supply and device:

- Make sure your connections

match the correct polarities (+ to + and - 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.

What's Included

Power Supply
User's Guide

Specifications

Input voltage 120V AC
Input frequency 60 Hz
Output voltage
..... 13.85V DC/±0.65 Volts
Output current..... 19 A (Max)
Line regulation..... Less Than ±1%
Load regulation Less Than ±5%
Overload protection Fuse, 6.3A/250V
Output Ripple..... 200m VRMS
Design Switching Type

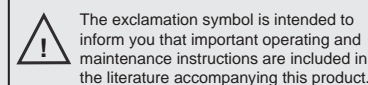
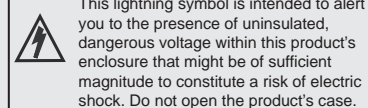
Operating temperature... 32° to 104°F
..... (0° to 40°C)
Storage temperature -4° to 140°F
..... (-20° to 60°C)
Input cable..... 18 AWG x 3C,
..... SVT 6 Feet
Output terminal..... Binding Post
..... 10A/125V
Power switch..... Illuminated,
..... 10A/250V AC
Dimensions (H×W×D).....
..... 6.3 × 6.97 × 2.18 in
..... (160 × 177 × 55 mm)
Weight..... 3.08 lbs (1.4 kg)

Specifications are subject to change and improvement without notice. Actual product may vary from the images found in this document.



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

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



Important Safety Instructions

Read and Retain Instructions — Safety and operating instructions should be read prior to use. The safety and operating instructions should be retained for future reference.

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

Cleaning — Unplug this device from the wall outlet before cleaning. Clean only as recommended by the manufacturer. Clean by wiping with a cloth slightly dampened with water. Avoid getting water inside the device. Do not use liquid or aerosol cleaners.

Water and Moisture — Do not use this device 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 device on an unstable cart, stand, tripod, bracket, or table. The device may fall, causing injury to a child or adult, and damage the device. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the device. 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 device on a bed, sofa, rug, or other similar surface. Do not place the device in a built-in installation such as a bookcase or rack unless it provides proper ventilation as specified by the manufacturer.

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

Power Sources — Use this device 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 device 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, outlets, and the point where they exit from the device.

Non-use Periods — The device'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 other outlets. This can result in fire or electric shock.

Objects and Liquids — Never spill liquids or push objects of any kind into this device 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 device is used with a cart or stand, the cart or stand should be a type recommended by the manufacturer. A device and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces cause the device 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 device.
- If the device has been exposed to rain or water.
- If the device 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 device to normal operation.
- If the device has been dropped or damaged.
- When there is a distinct change in performance.

Servicing — Do not attempt to service this device 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 device is in operating condition.

Lightning — For added protection during a lightning storm, or when the device 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.

RF Emission Information

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 Warranty

RadioShack warrants this product against defects in materials and workmanship under normal use by the original purchaser for **ninety (90) days** after the date of purchase from a **RadioShack**-owned store or an authorized **RadioShack** franchisee or dealer. **RADIOSHACK** MAKES NO OTHER EXPRESS WARRANTIES.

This warranty does not cover: (a) damage or failure caused by or attributable to abuse, misuse, failure to follow instructions, improper installation or maintenance, alteration, accident, Acts of God (such as floods or lightning), or excess voltage or current; (b) improper or incorrectly performed repairs by persons who are not a **RadioShack** Authorized Service Facility; (c) consumables such as fuses or batteries; (d) ordinary wear and tear or cosmetic damage; (e) transportation, shipping or insurance costs; (f) costs of product removal, installation, set-up service, adjustment or reinstallation; and (g) claims by persons other than the original purchaser.

Should a problem occur that is covered by this warranty, take the product and the **RadioShack** sales receipt as proof of purchase date to any **RadioShack** store in the U.S. **RadioShack** will, at its option, unless otherwise provided by law: (a) repair the product without charge for parts and labor; (b) replace the product with the same or a comparable product; or (c) refund the purchase price. All replaced parts and products, and products 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 and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period. **RADIOSHACK** EXPRESSLY DISCLAIMS ALL WARRANTIES AND CONDITIONS NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED

WARRANTIES THAT MAY BE IMPOSED BY LAW, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND, IF APPLICABLE, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, SHALL EXPIRE ON THE EXPIRATION OF THE STATED WARRANTY PERIOD. EXCEPT AS DESCRIBED ABOVE, **RADIOSHACK** SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OF THE PRODUCT 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 WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE AND ANY LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT AND ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF **RADIOSHACK** HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some States do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State. You may contact **RadioShack** at: **RadioShack** Customer Relations
300 RadioShack Circle,
Fort Worth, TX 76108

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www.radioshack.com



Protect the environment by recycling used electronics. Go to www.ecyclingcentral.com to find a recycling location near you.