



⚠ WARNING ⚠
Connect or disconnect battery connectors only when the charger's power is off.

⚡ CAUTION ⚡

- You must use a Class 2 power source that supplies 12V DC and delivers at least 1600 mA. Its center tip must be set to positive and its plug must fit the charger's DC 12V 1600mA jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the charger or the adapter.
- Always connect the AC adapter to the charger before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the charger.

✓ NOTE ✓

- Charge batteries/battery packs in an area between 32° to 113° F (0° to 45° C). If the area is too cold, the batteries can permanently lose their ability to charge. If the area is too warm, the batteries will not be fully charged.
- It is normal for batteries/battery packs to become warm while charging.
- To protect batteries/battery packs, allow them to cool before recharging them.
- If you mix a 9V rechargeable battery with a 4.8V cord-connected battery pack for charging, all CHARGING LEDs keep flashing even though the 4.8V cord-connected battery pack is fully charged.

Thank you for purchasing a RadioShack Universal Charger. It can quickly charge 4.8V, 6V, 7.2V, and 9.6V Ni-Cd and Ni-MH cord-connected or cartridge battery packs. It also charges 9V rechargeable batteries.

POWERING THE CHARGER

Power the charger using the supplied 12V, 1600mA AC adapter.

Plug the AC/DC adapters' barrel plug into **DC 12V 1600mA** jack on the side of the charger. Then plug the adapter into a standard AC outlet. The **POWER LED** lights.

If the **POWER LED** does not light, make sure the AC/DC adapter and the charger are properly connected.

CHARGING BATTERIES

To charge a cord-connected battery pack, insert the battery connector of the battery pack into connector, and insert the battery pack into the charger's large compartment. Make sure that the battery pack contacts with the voltage selector sensor and the two latches at the bottom of the compartment.

The **CHARGING LEDs** flash in turn.

If all the **CHARGING LEDs** flash at the same time, check the battery connection and re-connect the battery pack to the charger. If the problem persists, the battery pack might need to be replaced or there might be a short in the Connector. Try charging a different battery pack. If the charger still does not work, disconnect it from power and

take it to your local RadioShack for assistance.

If the connector does not fit, turn it over and try again. Do not force it.

To charge a standard cartridge battery (pack), simply place it into the battery compartment according to the corresponding symbols marked inside.

To charge a 4.8-volt cord-connected battery pack, fully plug the small end of the adapter cord (not supplied) into the battery pack's connector. Then plug the adapter cord's large end fully into Connector.

Although you can charge a 4.8V cord-connected battery pack and a 9V rechargeable battery simultaneously, you cannot mix two different battery packs (cord-connected or cartridge battery pack) for charging.

When the battery pack is fully charged, all **CHARGING LEDs** light steady. Unplug the charger and remove the battery pack.

! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ — Warning ! — Important ✓ — Note ⚡ — Caution 💡 — Hint

**! IMPORTANT !
! SAFETY INSTRUCTIONS!**

This manual contains important safety and operation instructions for your charger. Before using your charger, read all instructions and cautionary marking on the battery charger, the batteries to be charged, and the product that uses the batteries.

! WARNING !

- Charge only Ni-Cd and Ni-MH batteries/batteries packs with this charger. Other types of batteries might burst, causing personal injury.
- Do not try to charge batteries other than those listed in this manual, or use procedures other than those described in this manual.
- Unplug the AC/DC adapter from AC outlet before attempting any maintenance or cleaning.
- Do not disassemble the charger. Take it to a qualified service technician when service or repair is required. Improper re-assembly may result in a risk of electric shock or fire.
- Do not use an attachment not recommended or sold by RadioShack as this could result in a risk of fire, electric shock, or injury.
- Connect or disconnect battery connectors only when the charger's power is off.

CAUTION

- Do not expose the charger to rain or excessive moisture.
- Do not operate the charger if it has received a sharp blow, or been dropped or damaged in any way. Take it to a qualified service technician for repair.
- Do not use an extension cord. Its use could result in fire or electric shock.
- Never use the adapter or charger as a DC power source for any electrical equipment.

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



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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



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



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

FCC STATEMENT

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 experience radio/TV technician for help.

If you cannot eliminate the interference, the FCC requires that you stop using your charger.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

CARE

Keep the charger dry; if it gets wet, wipe it dry immediately. Use and store the charger only in normal environments. Handle the charger carefully; do not drop it. Keep the charger away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

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

SPECIFICATIONS

Adapter:

Input Voltage AC 120V (±15V), 60Hz, 28W

Output Voltage DC 12.8V (±1V), Max 1600mA

Charger:

Input Rating 11-16V DC, Max 1600mA

Charging Current:

7.2V battery pack DC 1500mA ±10%

@ DC 8.7V

4.8V battery pack DC 800mA ±10%

@ DC 5.8V

6.0V battery pack DC 800mA ±10%

@ DC 7.2V

9.6V battery pack DC 800mA ±10%

@ DC 11.6V

9.0V battery DC 23mA ±10%

@ DC 9.0V

Operation Temperature 32° – 113°F

(0° – 45°C)

Storage Temperature..... 13° – 140°F

(–25°– 60°C)

Safety Guard Timer 3 Hours

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

Limited Ninety-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. 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 WARRANTY, 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 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.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; 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.

This warranty 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 or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product 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.

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