



Cat. No. 23-247

Seven Hour • Eight Battery Universal Charger

Your RadioShack Seven Hour • Eight Battery Universal Charger can charge five different types of standard nickel-cadmium batteries — AAA, AA, and 9V in 4–10 hours; C and D in 8–9 hours. (High-capacity nickel-cadmium batteries take longer.) You can insert a pair of batteries into each of the charger's four battery chambers, letting you charge different types of batteries at the same time.

Each chamber can charge one pair of AAA, AA, C, or D batteries. The connectors inside the charger let you also charge one or two 9V batteries at a time.

Your charger has these features:

Automatic Charging Current Selection — selects the best charging current for each battery size.

Charging Indicators — light when the batteries are charging.

SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions for your charger.

Before you use the battery charger, read all instructions and cautionary markings on the charger, the batteries to be charged, and the products that use the batteries.

Warning: To reduce the risk of injury, charge only nickel-cadmium batteries with this charger. Other types of batteries might burst, causing personal injury and damage.

OPERATION

General Charging Hints

- Completely discharge batteries before you charge them. Repeatedly charging batteries that are not fully discharged can shorten their useful life.
- It is normal for the batteries to become warm while charging.
- If you are charging two 9V batteries, you can also charge other types of batteries (except D batteries) in the two other chambers.
- You cannot charge a single AAA, AA, C, or D battery in a battery chamber at a time. You *can* charge a pair of batteries in one chamber while the other chambers are empty.

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- Do not overcharge batteries. Prolonged overcharging can shorten the batteries' useful life. See the chart on Page 3.

Cautions:

- Never mix different-sized batteries in the same chamber, or put a discharged battery in the same chamber as a charged battery.
- Do not try to charge a battery of a size other than those listed by inserting it in the chamber or by connecting the battery's terminals to the charging contacts with a piece of metal.
- Charge batteries in an area between 60 and 85°F. Batteries do not fully charge when they are cold. If the area is too warm, the batteries can permanently lose their ability to charge.

To charge one or two 9V batteries, push their terminals onto the connectors inside the charger.

illus w/callouts to "Battery Chambers" and "Connectors"

Add polarity symbols

2. Plug the supplied adapter's phone plug into the **AC12V 0.6A** jack on the left side of the charger. Then plug the other end of the adapter into a standard AC outlet.

The green indicators on top of the charger light to show that the batteries are charging.

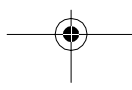
Charging Batteries

1. Place a pair of AAA, AA, C, or D batteries in one or more of the battery chambers, as indicated by the polarity symbols (+ and -) marked inside each chamber.

Caution: Before connecting the charger to AC power, be sure all batteries are installed with correct polarity. If you install batteries with incorrect polarity (+ and - reversed), they might not charge, and the batteries and charger could be damaged.

illus w/callout to "Indicators" (and show indicators)

Make it clearer that the two segments are part of the same AC adapter's cord



Note: If the indicators do not light, be sure you installed the batteries with the proper polarity (+ and -). If you installed them correctly and the indicators still do not light, unplug the charger, remove the batteries, and clean the batteries' and charger's contacts. Then reinstall the batteries and plug in the charger. If the problem persists, one of the batteries you are trying to charge might be faulty.

- After the specified charging time (see below), unplug the adapter from the AC outlet and remove the batteries.

Cat. No.	Type	Capacity (mAh)	Charging Time (Hours)
23-123	D	1400	8-9
23-124	C	1400	8-9
23-125	AA	600	6-7
23-126	9V	65	4-5
23-127	AAA	180	7-8
23-127A	AAA	250	9-10
23-140	D	4500	26-27
23-141	C	2300	13-14
23-149	AA	850	9-10
23-299	9V	120	7-8

Caution: The charger does not shut off automatically. Overcharging batteries can damage them or the charger.

Warning: To prevent damage to your charger and risk of shock, always unplug the AC adapter from the AC outlet before you unplug it from the charger.

SAFETY INSTRUCTIONS

- Do not expose the charger to rain or excessive moisture.
- Using any attachments not intended for use with this battery charger can result in a risk of fire, electric shock, or personal injury.
- Never operate the charger if it has received a sharp blow, or been dropped or damaged in any way. Have it repaired by qualified service personnel.
- Do not disassemble the charger. Have it serviced or repaired by qualified service personnel only. Incorrect assembly can result in a risk of electric shock or fire.
- To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.
- To reduce the risk of damage to the AC adapter, disconnect the charger by pulling the plug rather than the cord.
- Do not use an extension cord. Its use could result in fire or electric shock.
- Do not operate the charger if the AC adapter is damaged. Have the charger repaired by qualified service personnel.
- Never alter the provided AC adapter. If it does not fit in the AC outlet, have a qualified technician install the proper outlet. Improper connection can result in an electric shock.
- Never use the charger as a DC power source for any electrical equipment.

SPECIFICATIONS

Charging Current At 120v

AAA Size.....	36 mA ±10%
AA Size.....	130 mA ±10%
C/D Size.....	240 mA ±10%
9V Size.....	23 mA ±10%

Charging Current At 120v ±15V

AAA Size.....	36 mA ±15%
AA Size.....	130 mA ±15%
C/D Size.....	240 mA ±15%
9V Size.....	23 mA ±15%

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 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.

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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