

RadioShack 2309355

RadioShack Universal Smart Battery Charger Model 2309355 Instruction Manual

1. INTRODUCTION

This manual provides instructions for the operation and maintenance of your RadioShack Universal Smart Battery Charger, Model 2309355. This charger is designed to charge various rechargeable battery types, including Li-ion, NiMH, AA, AAA, C, D, and 9V batteries, with automatic detection and current adjustment for efficient charging.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the charger. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Use this charger only for rechargeable batteries specified in this manual. Attempting to charge non-rechargeable batteries may cause them to leak, rupture, or explode.
- Do not expose the charger to rain or moisture.
- Do not disassemble or modify the charger. Refer all servicing to qualified personnel.
- Ensure proper ventilation during charging. Do not cover the charger.
- Keep the charger away from children and pets.
- Unplug the charger from the power source when not in use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- RadioShack Universal Smart Battery Charger
- USB Power Cable

What's in the box:

- ✓ **Smart battery charger**
- ✓ **USB power cable**

Image: The package includes the smart battery charger and a USB power cable.

4. PRODUCT OVERVIEW

The RadioShack Universal Smart Battery Charger features multiple charging bays and a digital display for monitoring battery status.



Image: Top-down view of the charger, showing the digital display and four main charging bays, plus two 9V slots.



The digital display shows battery health and real-time charging status.

Image: The digital display provides real-time information on battery health and charging status.



Image: The charging slots are designed for safe, universal charging with automatic battery detection.



Image: Side view of the charger, highlighting the USB input ports for power.

5. SETUP

Follow these steps to set up your battery charger:

1. **Connect Power:** Use the provided USB cable to connect the charger to a compatible USB power source (e.g., a USB wall adapter, computer USB port, or power bank). The charger requires a DC 5V 2A input.
2. **Power On:** Once connected, the charger's digital display will illuminate, indicating it is ready for use.



Image: The included USB cable allows for connection to various USB power outlets, making the charger portable.

6. OPERATING INSTRUCTIONS

6.1 Inserting Batteries

Carefully insert rechargeable batteries into the appropriate charging bays. The charger supports various sizes and chemistries. Ensure correct polarity (+ and -) when inserting batteries. For 9V batteries, use the dedicated 9V slots.

6.2 Automatic Battery Detection

The charger automatically detects the battery type (Li-ion, NiMH, etc.) and adjusts the charging current accordingly. This ensures optimal and safe charging for each battery.

6.3 Understanding the Digital Display

The digital display provides real-time information for each of the four main charging bays. Information typically includes:

- **Battery Chemistry:** Indicates Li-ion, NiMH, etc.
- **Voltage:** Current voltage of the battery.
- **Current:** Charging current being applied.
- **Capacity:** Estimated charged capacity.
- **Elapsed Time:** Duration of the charging process.

For 9V batteries, a small indicator light typically shows the charging status, but detailed information may not be displayed on the main screen.

6.4 Charging Process

Once batteries are inserted and detected, the charging process begins automatically. The display will update with charging progress. When a battery is fully charged, the display will indicate completion, and the charger will stop supplying current to prevent overcharging.

7. COMPATIBLE BATTERY TYPES

The charger supports a wide range of rechargeable battery types and sizes:

Battery Chemistry	Compatible Sizes
Li-ion / Li-Fe	26700, 26650, 18650, 18500, 17670, 17500, 14500, 10440, 16340 (CR123A), 6F22 (9V)
Ni-MH / Ni-Cd	D, C, SC, AA, AAA, 6F22 (9V)



Image: The bottom label of the charger lists detailed input, output, and compatible battery specifications.

8. TROUBLESHOOTING

If you encounter issues with your charger, refer to the following common problems and solutions:

- **Charger Not Powering On:**

- Ensure the USB cable is securely connected to both the charger and a functional USB power source.
- Verify that the USB power source provides at least DC 5V 2A.
- Try a different USB cable or power adapter.

- **Batteries Not Charging:**

- Check that batteries are inserted with correct polarity.
- Ensure the batteries are rechargeable and compatible with the charger (refer to Section 7).
- Clean battery contacts on both the charger and batteries if they appear dirty.
- Some batteries, particularly certain CR123A types, may not fit securely in the slots despite being listed as compatible. Ensure a proper physical connection.

- **"ERR" Display Message:**

- This typically indicates a problem with the battery, such as being non-rechargeable, damaged, or incorrectly inserted.
- Remove and reinsert the battery. If the error persists, the battery may be faulty.

- **Slow Charging:**

- Charging speed can vary based on the battery's capacity, current charge level, and the number of batteries being charged simultaneously.
- Ensure your USB power source provides sufficient current (DC 5V 2A) for optimal charging speed.

9. SPECIFICATIONS

Feature	Detail
Model Number	2309355
Input	DC 5V 2A
Output (Li-ion)	DC 4.2V 1000mA (2pcs), 500mA (4pcs)
Output (Li-Fe)	DC 3.7V 1000mA (2pcs), 500mA (4pcs)
Output (Ni-MH/Ni-Cd)	DC 1.48V 500mA (4pcs)
Output (9V)	DC 9V 85mA (2pcs)
Compatible Battery Types	Li-ion/Li-Fe: 26700, 26650, 18650, 18500, 17670, 17500, 14500, 10440, 16340 (CR123A), 6F22 (9V) Ni-MH/Ni-Cd: D, C, SC, AA, AAA, 6F22 (9V)
Product Dimensions	11.02 x 7.64 x 1.97 inches (28 x 19.4 x 5 cm)
Item Weight	12.2 ounces (0.34 kg)
Color	Black
Certifications	FCC, RoHS

10. CARE AND MAINTENANCE

To ensure the longevity of your charger:




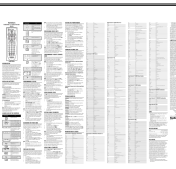

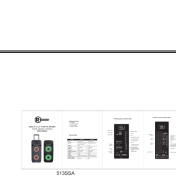
- Clean the charger with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Keep the charging contacts free from dust and debris.
- Store the charger in a cool, dry place when not in use.
- Avoid dropping the charger or subjecting it to strong impacts.

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your

purchase or contact RadioShack customer service. Keep your proof of purchase for warranty claims.

Related Documents - 2309355

	<p>RadioShack 8-in-1 LCD Remote 15-100 User Manual</p> <p>Comprehensive user manual for the RadioShack 8-in-1 LCD Remote (Model 15-100). Learn how to set up, program, and use this universal remote to control up to eight home entertainment devices, including features like My System Mode, Macros, and Learning.</p>
	<p>RadioShack Low-Cost 3-in-1 Remote Control User Guide and Codes</p> <p>Comprehensive user guide for the RadioShack Low-Cost 3-in-1 Remote (Cat. No. 15-2147), including setup instructions, programming guides, troubleshooting tips, and extensive device code lists for TVs, VCRs, DVD players, and satellite receivers.</p>
	<p>RadioShack 15-2143 Universal Remote Control User Manual</p> <p>User manual for the RadioShack 15-2143 Universal Remote Control, covering setup, button functions, advanced features, code entry, troubleshooting, and warranty information.</p>
	<p>RadioShack 4-1 Family Favorites Remote User Guide</p> <p>User guide for the RadioShack 4-1 Family Favorites Remote, detailing setup, programming, favorite channel features, macros, volume control, troubleshooting, and specifications. Includes manufacturer codes for various home entertainment devices.</p>
	<p>RadioShack Universal Ni-Cd/Ni-MH Charger Owner's Manual</p> <p>Owner's manual for the RadioShack Universal Ni-Cd/Ni-MH Charger (Cat. No. 23-334 A), detailing features, safety instructions, operation, charging times, care, specifications, and warranty.</p>
	<p>RadioShack 4001942 & 4001944 Dual PA Speaker User Manual</p> <p>User manual for RadioShack 4001942 and 4001944 Dual 10-inch and 15-inch 2-way PA Speakers. Includes specifications, packing contents, amplifier control panel details, MP3 player functions, remote control guide, Bluetooth pairing, and important safety/FCC information.</p>