

Cut-Rate Batteries UC1100-S32T-3PTY-150

Instruction Manual: Cut-Rate Batteries Single Bay Vehicle Rapid Charger for Simoco SRP9130 Two-Way Radio

Model: UC1100-S32T-3PTY-150

1. OVERVIEW

This manual provides instructions for the Cut-Rate Batteries Single Bay In-Vehicle Rapid Charger, designed for Simoco SRP9130 two-way radios and compatible models. This charger is engineered to provide efficient and reliable charging for various battery chemistries, including Ni-CD, Ni-MH, Li-Ion, and Li-Polymer. It is suitable for in-vehicle use, featuring a robust design and smart charging technology to prevent overcharging.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Single Unit Drop-in Charger Base
- In-Vehicle Rapid Charger Mounting Bracket
- Adjustable Tie-Down Strap
- Adapter Cup for Simoco SRP9130
- Vehicle Power Adapter (12V – 24V)
- Mounting Hardware (screws, nuts)



Figure 2.1: Coiled vehicle power adapter cable with a cigarette lighter plug on one end and a barrel connector on the other.



Figure 2.2: Black metal mounting bracket with various screws and nuts for installation.

3. FEATURES

- Fast, reliable charge for a single battery with or without the radio.
- LED indicator confirms charge status (charging, 80% complete, fully charged).
- Supports Ni-CD, Ni-MH, Li-Ion, and Li-Polymer battery chemistries.
- Smart charging technology prevents over-charging and provides automatic recharging.
- Replaceable adapter pod allows compatibility with different radios/batteries.
- Includes vehicle power adapter for 12V – 24V outlets.

4. SETUP

1. **Mounting the Bracket:** Select a secure, flat surface in your vehicle for mounting the charger. Use the provided screws and nuts to firmly attach the mounting bracket. Ensure the location allows easy access to the charger and does not obstruct driving.
2. **Attaching the Charger Base:** Secure the single unit drop-in charger base to the mounting bracket using the appropriate hardware.
3. **Connecting Power:** Insert the vehicle power adapter into a 12V – 24V outlet in your vehicle. Connect the other end of the power adapter to the charger base.
4. **Inserting Adapter Cup:** Ensure the correct adapter cup for your Simoco SRP9130 radio is securely placed in the charger base.

5. OPERATING INSTRUCTIONS

1. **Placing the Radio/Battery:** Carefully insert your Simoco SRP9130 radio with its battery, or a standalone battery, into the adapter cup on the charger base. Ensure it is seated correctly and makes proper contact with the charging terminals.
2. **Monitoring Charge Status:** Observe the LED indicator on the charger.
 - **Solid Red:** Charging in progress.
 - **Flashing Green:** Approximately 80% charged.
 - **Solid Green:** Fully charged.
3. **Automatic Recharging:** The smart charging technology will automatically prevent over-charging. If the radio remains powered on while in the charger, the system will provide automatic recharging as needed to maintain a full charge.

6. MAINTENANCE

- **Cleaning:** Periodically clean the charger and its contacts with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the power cord and charger for any signs of damage. Discontinue use if damage is observed.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger LED does not illuminate.	No power to the charger.	Check if the vehicle power adapter is securely plugged into both the vehicle outlet and the charger base. Verify the vehicle outlet is functional.
Radio/battery not charging.	Improper placement or incompatible battery.	Ensure the radio or battery is correctly seated in the adapter cup. Confirm the battery is compatible with the charger and is not damaged.

Problem	Possible Cause	Solution
Slow charging.	Battery condition or power supply issue.	Ensure the vehicle's power supply is stable. Older or heavily used batteries may charge slower.

8. SPECIFICATIONS

- **Model Number:** UC1100-S32T-3PTY-150
- **Input Voltage:** 12V – 24V DC (from vehicle outlet)
- **Charger Type:** Single Bay, Rapid Charger
- **Compatible Battery Chemistries:** Ni-CD, Ni-MH, Li-Ion, Li-Polymer
- **Manufacturer:** Cut-Rate Batteries

9. COMPATIBLE RADIOS AND BATTERIES

This charger is compatible with the following Simoco/Sepura radio models:

- Simoco/Sepura SRP3000
- Simoco/Sepura SRP8000, SRP8010, SRP8020, SRP8021, SRP8030, SRP8031
- Simoco/Sepura SRP9000, SRP9100, SRP9120, SRP9130

Compatible Battery Part Numbers:

- PA-BATB, PA-BATF, PABATH, PA-BATL, PA-BATN, PAR-BATLM

10. WARRANTY INFORMATION

This Cut-Rate Batteries product includes a **12 Month Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product is free from defects in material and workmanship under normal use. Please retain your proof of purchase for warranty claims.

11. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Cut-Rate Batteries customer support. Refer to your purchase documentation for contact details or visit the official Cut-Rate Batteries website.