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› Cameron Sino CS-TS7100SL Replacement Battery for Thuraya Hughes 7101 and 7100 Satellite Phones - Instruction Manual

Cameron Sino CS-TS7100SL

Cameron Sino CS-TS7100SL Replacement Battery for Thuraya Hughes 7101 and 7100 Satellite Phones

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Cameron Sino CS-TS7100SL Li-ion replacement battery. This battery is designed for compatibility with Thuraya Hughes 7101 and Thuraya Hughes 7100 satellite phones, and also with Ascom 21 devices. Please read this manual thoroughly before installation and use.

2. SAFETY INFORMATION

ATTENTION: NEW BATTERY PACK MUST BE FULLY CHARGED BEFORE USE. TO REDUCE RISK OF FIRE OR BURNS, READ INSTRUCTIONS IN OPERATING GUIDE BEFORE USING THE BATTERY.

WARRANTY VOID IF LABEL REMOVED.

CAUTION:

- DO NOT ATTEMPT TO DISASSEMBLE, OPEN OR SERVICE THE BATTERY PACK.
- DO NOT CRUSH, PUNCTURE, SHORT EXTERNAL CONTACTS OR DISPOSE OF IN FIRE OR WATER.
- REPLACE ONLY WITH THE BATTERY PACK DESIGNATED FOR THIS PRODUCT.
- DO NOT STORE ABOVE 60°C (140°F).

For additional safety details, please refer to the official safety information document provided by the manufacturer, if available.





Image 1: Front view of the Cameron Sino CS-TS7100SL battery, displaying the product label with model number, capacity, voltage, and critical safety warnings. This label is essential for identifying the battery and understanding its safe handling requirements.

3. SETUP AND INSTALLATION

1. **Preparation:** Ensure your device (Thuraya Hughes 7101/7100 or Ascom 21) is powered off before attempting battery installation or removal.
2. **Remove Old Battery:** Locate the battery compartment on your device. Follow your device's specific instructions to

open the compartment and carefully remove the old battery.

3. **Insert New Battery:** Align the Cameron Sino CS-TS7100SL battery with the battery compartment contacts. Gently push the battery into place until it clicks securely. Do not force the battery.
4. **Close Compartment:** Close the battery compartment cover, ensuring it is properly latched.
5. **Initial Charge:** For optimal performance, fully charge the new battery before its first use. Refer to the 'Operating' section for charging instructions.



Image 2: Angled view of the Cameron Sino CS-TS7100SL battery, highlighting the gold-plated contact pins. These pins are crucial for establishing a proper electrical connection with your satellite phone or compatible device.

4. OPERATING THE BATTERY

4.1 Charging

- Use only the original charger or a certified compatible charger for your Thuraya Hughes 7101/7100 or Ascom 21 device.
- Connect the charger to your device and a power source.
- Allow the battery to charge completely. The device's indicator light or screen will typically show charging status and completion.
- Avoid overcharging by disconnecting the charger once the battery is full, especially for prolonged periods.

4.2 Usage

- The battery is a rechargeable Li-ion type, designed for consistent power delivery.
- Monitor your device's battery level indicator to avoid complete discharge, which can reduce battery lifespan.
- Operating the device in extreme temperatures (very hot or very cold) can affect battery performance and lifespan.

5. MAINTENANCE AND STORAGE

5.1 General Maintenance

- Keep the battery contacts clean. Use a dry, soft cloth to wipe them if necessary.
- Avoid exposing the battery to liquids, high humidity, or direct sunlight.
- Do not drop or subject the battery to strong impacts.

5.2 Storage

- If storing the battery for an extended period, charge it to approximately 50-60% capacity.
- Store the battery in a cool, dry place, away from direct heat sources and metal objects.
- Periodically check the battery during long-term storage and recharge it to 50-60% every few months to prevent deep discharge.



Image 3: Top view of the Cameron Sino CS-TS7100SL battery. This image showcases the smooth, black casing of the battery, indicating its compact and durable design.



Image 4: Bottom view of the Cameron Sino CS-TS7100SL battery, revealing the latch mechanism designed for secure fitting within the device's battery compartment.

6. TROUBLESHOOTING

6.1 Battery Not Charging

- Ensure the charger is properly connected to both the device and the power outlet.
- Verify that the charger is functional and compatible with your device.
- Check for any debris or corrosion on the battery and device contacts. Clean them gently if necessary.
- Try charging in a different power outlet.

6.2 Short Battery Runtime

- Ensure the battery is fully charged before use.
- Reduce power-consuming features on your device (e.g., screen brightness, background apps).
- Operating in very cold environments can temporarily reduce battery performance.
- If the battery is old, its capacity may have naturally degraded over time.

6.3 Battery Not Fitting Correctly

- Double-check that the battery model (CS-TS7100SL) is indeed compatible with your specific device model (Thuraya Hughes 7101/7100 or Ascom 21).

- Ensure there are no obstructions in the battery compartment.
- Align the battery carefully with the compartment and contacts before applying gentle pressure.

7. SPECIFICATIONS

Model Number	CS-TS7100SL
Battery Type	Li-ion (Lithium-ion)
Voltage	7.4 V
Capacity	1400 mAh (10.36 Wh)
Color	Black
Net Weight	56.8 g
Gross Weight	106.8 g
Dimensions	11.9 x 3.4 x 1.3 cm
Compatible Models	Thuraya Hughes 7100, Thuraya Hughes 7101, Ascom 21
Replaces Original Models	CP0119, TH-01-006
Manufacturer	Cameron Sino
Country of Origin	Hong Kong

8. WARRANTY INFORMATION

This Cameron Sino battery comes with a **36-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its stated specifications under normal use. Please retain your proof of purchase for warranty claims. The warranty may be void if the product label is removed or if the battery has been tampered with or damaged due to misuse.

9. SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact your retailer or the manufacturer's customer support. When contacting support, please provide your product model number (CS-TS7100SL) and a detailed description of the issue.

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