

Estry CS-HTC806TW

Estry Replacement Battery Instruction Manual

MODEL: CS-HTC806TW (REPLACES HYTERA BL2505)

1. Introduction and Overview

Thank you for choosing the Estry CS-HTC806TW replacement battery. This high-quality Li-ion battery is designed to provide reliable power for your HYTERA PT580H and PT580H Plus two-way radios, serving as a direct replacement for the BL2505 battery part number. This manual provides essential information for the safe and effective use of your new battery.



Figure 1: Estry CS-HTC806TW Replacement Battery (Top View)

This image displays the top side of the Estry CS-HTC806TW battery, highlighting the gold-plated contact points and the product label which includes model information and specifications.

2. Product Features

- **High Quality Construction:** Manufactured to exact specifications, ensuring safe and durable use.

- **Advanced Protection:** Features built-in overcharge, over-discharge, over-voltage, and short-circuit protection for enhanced battery life and safety.
- **Optimized Specifications:** 2000mAh capacity, 14.80Wh, Li-ion type, 7.4V voltage.
- **Fully Decoded Chip:** Works seamlessly with your device, just like the original battery.
- **Certified Safety:** ISO9001, RoHS, and CE certified for quality assurance and toxic-free materials.

3. Setup and Installation

Follow these steps to properly install the Estry replacement battery into your HYTERA PT580H or PT580H Plus radio:

1. **Power Off Device:** Ensure your HYTERA radio is completely powered off before attempting battery replacement.
2. **Remove Old Battery:** Locate the battery release latch or button on your radio. Press or slide it to unlock the existing battery. Carefully slide the old battery out of its compartment.
3. **Insert New Battery:** Align the Estry CS-HTC806TW battery with the battery compartment of your radio. Ensure the contact points on the battery align with the terminals inside the radio.
4. **Secure Battery:** Gently slide the new battery into place until you hear a click or feel it lock securely. Verify that the battery is firmly seated and does not wobble.
5. **Initial Charge:** For optimal performance, it is recommended to fully charge the new battery before its first use. Refer to the 'Operating' section for charging instructions.



Figure 2: Estry CS-HTC806TW Replacement Battery (Angled View)

This image provides an angled view of the battery, further illustrating the design and the placement of the electrical contacts for proper insertion into the radio.

4. Operating

Proper charging and usage are crucial for maximizing the lifespan and performance of your Estry battery.

4.1 Charging the Battery

- Always use the original HYTERA charger or a compatible charger specifically designed for Li-ion batteries.
- Connect the radio with the installed battery to the charger. Ensure the charging indicator on the radio or charger illuminates, indicating a charging state.

- Allow the battery to charge fully. The charging indicator will typically change color or turn off when charging is complete.
- Avoid overcharging for extended periods once the battery is full, although the battery has built-in overcharge protection.

4.2 Usage Tips

- Avoid completely discharging the battery. While the battery has over-discharge protection, frequent deep discharges can reduce overall battery life.
- For optimal performance, try to keep the battery charge between 20% and 80% when possible.
- If the radio will not be used for an extended period, remove the battery and store it as per the 'Maintenance' section.

5. Maintenance

Proper care and maintenance will help extend the life of your Estry battery.

- **Storage:** If storing the battery for an extended period (more than one month), store it in a cool, dry place (ideally between 0°C and 25°C or 32°F and 77°F) with approximately 50% charge. Avoid extreme temperatures.
- **Cleaning:** Periodically clean the battery contacts with a clean, dry cloth to ensure good electrical connection. Do not use harsh chemicals or abrasive materials.
- **Safety:** Do not disassemble, puncture, or expose the battery to fire or water. Do not short-circuit the terminals.
- **Disposal:** Dispose of old batteries responsibly according to local regulations. Do not dispose of batteries in household waste.



Figure 3: Estry CS-HTC806TW Replacement Battery (Bottom View)

This image shows the bottom side of the battery, emphasizing the four gold contact points that connect to the radio's power terminals.

6. Troubleshooting

If you encounter issues with your Estry replacement battery, consider the following common solutions:

- **Battery Not Charging:**
 - Ensure the battery is correctly seated in the radio and the radio is properly connected to the charger.

- Check the charger and power outlet for functionality.
- Clean the battery and radio contacts with a dry cloth.

- **Short Battery Life:**

- Ensure the battery is fully charged before use.
- Avoid operating the radio in extreme temperatures, which can reduce battery efficiency.
- Check if the radio's settings (e.g., high power transmission) are contributing to faster drain.

- **Radio Not Powering On:**

- Verify the battery is fully charged and securely installed.
- Test with another known good battery if available to rule out a radio issue.

If problems persist after following these steps, please contact customer support for further assistance.

7. Specifications

Model Number	CS-HTC806TW
Compatible Part Number	BL2505
Battery Type	Li-ion
Voltage	7.4V
Capacity	2000mAh
Watt-Hours (Wh)	14.80Wh
Dimensions (L x W x H)	113.60 x 56.20 x 16.30 mm (4.47 x 2.21 x 0.64 inches)
Weight	200g / 7.05oz
Certifications	ISO9001, RoHS, CE
Manufacturer	CS
Country of Origin	Hong Kong

8. Warranty and Support

Your Estry replacement battery comes with a **12-month warranty** from the date of purchase, covering manufacturing defects. Additionally, a **14-day money-back guarantee** is provided.

For any questions, concerns, or technical assistance regarding your battery, please contact our customer support. When contacting support, please provide your battery details or pictures to help us assist you more efficiently.

We are committed to providing professional suggestions and support to ensure your satisfaction.