BCXY CS-TMS500SL

BCXY Replacement Battery User Manual

For Trimble MS5N and Trimble MS5 Devices

1. Introduction

This manual provides essential information for the safe and effective use of your BCXY replacement battery, model CS-TMS500SL, compatible with Trimble MS5N and Trimble MS5 devices. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

The BCXY replacement battery is designed to meet the exact specifications of the original battery, ensuring reliable power for your compatible Trimble devices. It features built-in protection against overcharge, over-discharge, over-voltage, and short circuits.

2. Safety Information and Warnings

WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the battery or device.

- **Do not attempt to disassemble, open, or service the battery pack.** This will void the warranty and may cause damage or injury.
- **Replace only with the battery pack designated for this product.** Using an incompatible battery may pose safety risks.
- **Do not crush, puncture, short external contacts, or dispose of in fire or water.** Such actions can lead to severe hazards.
- **Do not store above 60°C (140°F).** High temperatures can degrade battery performance and pose a fire risk.
- **New battery packs must be fully charged before use.** This ensures proper calibration and initial performance.
- **Warranty Void if label is removed.** Keep all labels intact for warranty purposes.
- Dispose of used batteries according to local regulations. Do not dispose of with household waste.



Image 2.1: Top view of the BCXY replacement battery (Model CS-TMS500SL) showing the product label with safety warnings and specifications. The label indicates "Model No.: CS-TMS500SL", "Part No.: MS5760", "Rating: 7.4VDC = 4800mAh / 35.52Wh Lithium-Polymer Battery Pack". It also displays various safety icons and certifications.

For more information about the battery manufacturer, visit Cameron Sino.

3. Setup and Installation

Before installing the new battery, ensure your Trimble device is powered off and disconnected from any power sources. Refer to your Trimble device's original user manual for specific instructions on battery compartment access and removal of the old battery.

1. **Power Off Device:** Completely power down your Trimble MS5N or MS5 device.
2. **Locate Battery Compartment:** Identify and open the battery compartment on your device. This usually involves unscrewing a cover or releasing a latch.
3. **Remove Old Battery:** Carefully disconnect the old battery's connector from the device's port. Remove the old battery.

4. **Insert New Battery:** Align the BCXY replacement battery (Model CS-TMS500SL) with the battery compartment. Ensure the connector cable is positioned correctly.
5. **Connect Battery:** Gently plug the battery's connector into the corresponding port on your Trimble device. Ensure a secure connection.
6. **Secure Compartment:** Close and secure the battery compartment cover.
7. **Initial Charge:** As per safety guidelines, fully charge the new battery before its first use.



Image 3.1: The BCXY replacement battery (Model CS-TMS500SL) featuring its multi-colored wire connector, ready for installation into a compatible Trimble device. The connector ensures proper electrical contact.



Image 3.2: A detailed close-up of the battery's multi-pin connector, highlighting the individual wires and their secure attachment to the white plastic housing. This connector is crucial for proper device integration.

4. Operating Instructions

Once installed and fully charged, your BCXY replacement battery operates seamlessly with your Trimble MS5N or MS5 device. The battery is a Lithium Polymer type with a voltage of 7.4V and a capacity of 4800mAh.

- **First Use:** Ensure the battery is fully charged before its initial operation.
- **Charging:** Use only the original charger or a compatible charger approved for your Trimble device. The battery features overcharge protection.
- **Discharging:** The battery is designed for regular use. Avoid completely draining the battery frequently, as this can reduce its overall lifespan.
- **Temperature:** Operate the device with the battery within its recommended temperature range. Extreme cold or heat can affect performance and battery life.

5. Maintenance

Proper maintenance can extend the lifespan and performance of your BCXY replacement battery.

- **Regular Charging:** Avoid leaving the battery fully discharged for extended periods. If storing the device, ensure the battery has a partial charge (around 50%).
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Do not store above 60°C (140°F).
- **Cleaning:** Keep the battery contacts clean and free from dust or debris. Use a dry, soft cloth if cleaning is necessary.
- **Avoid Physical Damage:** Protect the battery from drops, impacts, and crushing.

6. Troubleshooting

If you encounter issues with your BCXY replacement battery, consider the following troubleshooting steps:

- **Battery Not Charging:**
  - Ensure the charger is properly connected to both the device and a power source.
  - Verify that the charger is functional and compatible with your Trimble device.
  - Check the battery connector for any debris or damage.
- **Device Not Powering On:**
  - Confirm the battery is fully charged.
  - Ensure the battery is correctly installed and its connector is securely plugged in.
  - Attempt to power on the device while connected to its charger.
- **Short Battery Life:**
  - Ensure the battery has been fully charged before use.
  - Check for applications or settings on your Trimble device that might be consuming excessive power.
  - Review maintenance tips to ensure proper battery care.

If issues persist after following these steps, please contact customer support.

7. Specifications

BCXY Replacement Battery (Model CS-TMS500SL)

Model Number	CS-TMS500SL
Compatible Part Number	MS5760
Compatible Devices	Trimble MS5N, Trimble MS5
Battery Type	Lithium Polymer
Voltage	7.4V
Capacity	4800mAh
Watt-Hours (Wh)	35.52Wh
Dimensions	91.1 x 61.0 x 11.3mm (3.59 x 2.4 x 0.44 inches)
Weight	189.5g (6.7 ounces)
Certifications	ISO9001, RoHS, CE, UN38.3, MSDS

8. Warranty Information

The BCXY replacement battery comes with a manufacturer's warranty. Please retain your proof of purchase for warranty claims.

- **Warranty Validity:** The warranty covers defects in materials and workmanship under normal use.
- **Voiding Warranty:** The warranty will be void if the battery label is removed, or if the battery has been disassembled, opened, serviced, crushed, punctured, shorted, exposed to fire or water, or stored above 60°C (140°F).
- For specific warranty terms and conditions, please refer to the product packaging or contact BCXY customer support.

9. Customer Support

For any questions, concerns, or technical assistance regarding your BCXY replacement battery, please contact our customer support team.

- **Manufacturer:** BCXY
- **Online Support:** Visit the BCXY Store on Amazon for product information and support options.
- **Battery Cell Manufacturer:** Cameron Sino (www.cameronsino.com)

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