

CS BATTERY MT1500

User Manual

CS BATTERY Replacement Battery for Motorola Radios

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your CS BATTERY Replacement Battery. This high-capacity battery is designed to provide reliable power for a range of Motorola two-way radios. Please read this manual thoroughly before first use to ensure optimal performance and longevity of your battery.

2. SAFETY INFORMATION

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

- Do not disassemble, open, or shred the battery pack.
- Do not short-circuit the battery. Do not store batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- Do not expose the battery to heat or fire. Avoid storage in direct sunlight.
- Do not subject batteries to mechanical shock.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep batteries out of the reach of children.
- Seek medical advice immediately if a cell or battery has been swallowed.
- Do not use any charger other than that specifically provided for use with the equipment.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- Do not use any battery which is not designed for use with the equipment.

- Do not mix batteries of different manufacture, capacity, size or type within a device.
- Dispose of batteries properly at designated collection points.

3. PRODUCT OVERVIEW

The CS BATTERY Replacement Battery is a high-quality, rechargeable battery designed to meet or exceed the specifications of original equipment manufacturer (OEM) batteries. It features a robust design for durability and reliable performance.



Figure 3.1: Front view of the battery with specifications label.



Figure 3.2: Side view of the battery with belt clip.



Figure 3.3: Top and bottom views of the battery.



Figure 3.4: Top view of the battery with belt clip and contacts.

4. SPECIFICATIONS

Feature	Detail
Voltage	7.2V
Capacity	2500mAh / 18.00Wh
Dimensions	123.32 x 60.00 x 36.70mm (4.86 x 2.36 x 1.44 inches)
Weight	461.5g
Battery Cell Composition	Lithium Ion
Certifications	ROSH, CE, UL

5. COMPATIBILITY

This replacement battery is compatible with a wide range of Motorola two-way radios and original battery part numbers. Please verify your device model or existing battery part number before purchase.

Compatible Radio Models:

- MT1500
- NT1500

- PR1500
- RadiusP25
- XTS1000
- XTS1500
- XTS2000
- XTS2500

Compatible Battery Part Numbers:

- HNN9815
- NNTN6263
- NNTN7032, NNTN7032A, NNTN7032B
- NNTN7335, NNTN7335A, NNTN7335B
- NNTN7554
- NNTN9857, NNTN9858
- NTA9858A
- NTN9814, NTN9814MHX
- NTN9815, NTN9815_R, NTN9815A, NTN9815AR, NTN9815B
- NTN9816, NTN9816AR, NTN9816B
- NTN9851AR, NTN9851B
- NTN9857AR, NTN9857B, NTN9857C
- NTN9858, NTN9858_R, NTN9858A, NTN9858AR, NTN9858B, NTN9858C
- NTN9859
- NTN9861

6. SETUP AND INSTALLATION

Follow these steps to properly install the replacement battery into your compatible Motorola radio.

1. **Power Off Device:** Ensure your Motorola radio is completely powered off before attempting to remove or install the battery.
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 the battery compartment.
3. **Insert New Battery:** Align the CS BATTERY Replacement Battery with the battery compartment of your radio. Ensure the contacts on the battery align with the contacts in the radio.
4. **Secure Battery:** Gently slide the new battery into the compartment until it clicks into place, indicating it is securely locked. Do not force the battery.
5. **Initial Charge:** For optimal performance, it is recommended to fully charge the new battery before its first use. Refer to the "Operating Instructions" section for charging details.

7. OPERATING INSTRUCTIONS

Charging the Battery:

Use only a compatible Motorola charger or a charger specifically designed for this battery type. Improper charging can damage the battery and void the warranty.

1. Connect the charger to a power source.
2. Place the radio with the installed battery, or the battery itself if using a standalone charger, into the charging cradle.
3. Observe the charger's indicator light. It typically shows red for charging and green for fully charged.
4. Allow the battery to charge until the indicator shows a full charge. This may take several hours for a completely depleted battery.

Battery Usage:

This battery is designed for high-capacity circulation, providing extended operational time for your radio. It features no memory effect, allowing you to charge it at any time without significantly reducing its overall lifespan.

- Avoid completely draining the battery whenever possible, though occasional full discharge and recharge cycles can help calibrate the battery meter.
- If your wireless device's cruising time is significantly reduced, it indicates that the battery's capacity has diminished, and it may be time for replacement.

8. MAINTENANCE

Proper maintenance can extend the life and performance of your battery.

- **Storage:** If storing the battery for an extended period, store it in a cool, dry place at approximately 50% charge. Avoid extreme temperatures.
- **Cleaning:** Periodically clean the battery contacts with a clean, dry cloth to ensure good connection with the radio and charger. Do not use abrasive cleaners or solvents.
- **Temperature:** The optimal charging temperature range is 40°F-105°F (4°C-40°C). Avoid charging or using the battery in extremely hot or cold environments.
- **Disposal:** When the battery reaches the end of its life, dispose of it responsibly at an authorized recycling facility. Do not dispose of it in household waste or by incineration.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	Incorrectly seated in charger; dirty contacts; faulty charger; battery too hot/cold.	Ensure battery is properly seated. Clean battery and charger contacts. Try a different charger. Allow battery to reach room temperature.
Radio not powering on with new battery	Battery not fully charged; battery not properly installed; incompatible battery.	Fully charge the battery. Re-install the battery, ensuring it clicks into place. Verify battery compatibility with your radio model.
Short operating time after full charge	Battery capacity degradation; extreme operating temperatures.	This indicates the battery is nearing the end of its lifespan and may need replacement. Ensure operation within recommended temperature ranges.
Battery feels hot during charging/use	Normal operation (slight warmth); overcharging; internal fault.	Slight warmth is normal. If excessively hot, disconnect immediately. Ensure charger is compatible. Discontinue use if heat persists or is extreme.

10. WARRANTY AND SUPPORT

The product features Quality Certifications including ROHS, CE, and UL, ensuring safety and performance. It is designed with protection against over-charge, over-discharge, over-heat, over-current, and short-circuit.

For specific warranty details or technical support, please refer to the manufacturer's official website or contact their customer service. If you are unsure about compatibility or have specific questions, you can send an email with your battery details or pictures to the manufacturer for professional suggestion.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question