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WUHAO W-10A

WUHAO W-10A Replacement Battery for Netgear Nighthawk M1 MR1100 Mobile Router - Instruction Manual

Model: W-10A | Brand: WUHAO

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your WUHAO W-10A replacement battery. It covers installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your battery when used with compatible devices.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using the battery. Failure to follow these instructions may result in fire, explosion, electric shock, or other hazards.

- Do not crush, puncture, or short external contacts.
- Do not expose to temperatures above 60°C (140°F).
- Replace only with batteries designed for this product.
- Dispose of in fire or water.
- Keep out of reach of children.



Image: WUHAO W-10A Lithium Ion Battery showing model number, voltage, capacity, and safety warnings.

The WUHAO W-10A battery is equipped with multiple protection features to ensure safe operation:

- **Over-Charging Protection:** Prevents the battery from being charged beyond its safe voltage limit.
- **Over-Discharging Protection:** Protects the battery from being discharged below its safe voltage limit.
- **Over-Heating Protection:** Monitors battery temperature and prevents operation at unsafe high temperatures.
- **Short-Circuiting Protection:** Automatically cuts off power in case of a short circuit.

High Quality IC Chip

Built in smart IC chip to prevent over-charging, over-discharging, over-heating, over-circuit, over-current and other safety features.



Image: Illustration of a high-quality IC chip, indicating built-in safety features for battery protection.

3. COMPATIBILITY

This replacement battery (Model: W-10A, W-10, W10A, W10) is specifically designed for use with the following devices:

- Netgear Nighthawk M1 MR1100 Mobile Router
- Netgear Nighthawk M1 Mobile Modem
- Netgear Nighthawk M1 Mobile Hotspot

Ensure your device model matches the compatible models listed above before installation.

4. SETUP: BATTERY INSTALLATION

The WUHAO W-10A battery is designed for straightforward replacement. While this manual provides general guidance, detailed visual instructions for your specific device model can often be found on video-sharing platforms like YouTube by searching for "Netgear Nighthawk M1 battery replacement".

General Installation Steps:

1. **Power Off Device:** Ensure your Netgear Nighthawk M1 router is completely powered off and

disconnected from any power source.

2. **Remove Back Cover:** Carefully remove the back cover of your router. This usually involves sliding or prying it open.
3. **Remove Old Battery:** Gently lift and remove the old battery from its compartment.
4. **Insert New Battery:** Place the new WUHAO W-10A battery into the compartment, ensuring the contacts align correctly. The battery is designed to fit precisely.
5. **Replace Back Cover:** Securely reattach the back cover of your router.
6. **Initial Charge:** Connect your router to its charger and allow the new battery to charge fully before first use.



Image: An angled view of the WUHAO W-10A replacement battery, showing its compact design and connection points.

5. OPERATING INSTRUCTIONS

First Use and Charging:

Upon initial installation, a new battery may experience a quicker drain. This is a normal characteristic of new lithium-ion batteries as they stabilize. Full performance and longevity are typically achieved after 3 to 5 complete charge and discharge cycles.

Brand New 0 Cycle



At the first beginning, the battery will drain quickly, this issue is caused due to the li-ion of a new battery is unstable, it will become normal after long-term use.



Please remember that its full performance and longevity is only achieved after 3 to 5 complete charge and discharge cycles.

Image: Battery label indicating that a new battery may drain quickly initially and requires 3-5 cycles for optimal performance.

- Always use the original or a certified compatible charger for your Netgear Nighthawk M1 router.
- Avoid frequently charging the battery for short periods. Aim for full charge cycles when possible.
- It is not necessary to fully discharge the battery before recharging, as modern lithium-ion batteries do not suffer from a 'memory effect'.

6. MAINTENANCE AND CARE

Proper care can extend the life of your battery:

- **Temperature:** Avoid exposing the battery to extreme temperatures (very hot or very cold). Optimal operating temperature is typically between 0°C and 35°C (32°F and 95°F).
- **Storage:** If storing the battery for an extended period, ensure it is charged to approximately 50% and stored in a cool, dry place. Avoid storing fully charged or fully discharged.
- **Cleaning:** Keep battery contacts clean and free from dust or debris. Use a dry, soft cloth if cleaning is necessary.
- **Physical Damage:** Protect the battery from physical impact or damage. Do not drop or bend the battery.

7. TROUBLESHOOTING

If you encounter issues with your new battery, consider the following common problems and solutions:

Have you ever encountered such problems?



Charge Frequently



Run Out Shortly



Drop 10% Quickly



Power Off Suddenly



WUHAO High Capacity Battery Brings Your Phone a New Life!

Image: Visual representation of common battery issues such as frequent charging, quick discharge, rapid percentage drop, and sudden power off.

- **Battery Drains Quickly:**

- For new batteries, this is normal during the first 3-5 cycles. Allow it to complete several full charge/discharge cycles.
- Check for excessive background activity on your router or connected devices.
- Ensure the router's firmware is up to date.

- **Battery Not Charging:**

- Verify the charger and charging cable are functioning correctly. Try a different charger if available.
- Ensure the charging port on the router is clean and free of debris.
- Re-seat the battery to ensure proper contact.

- **Router Powers Off Suddenly:**

- Ensure the battery is fully charged.
- Check for any physical damage to the battery or router.

- If the issue persists after trying the above, contact customer support.

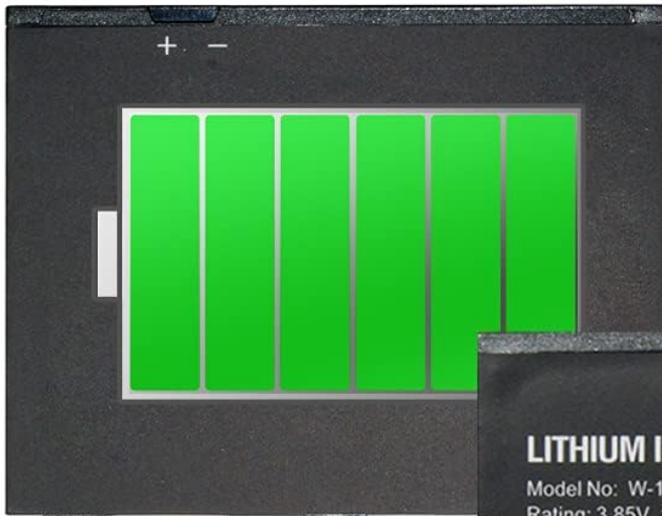
8. SPECIFICATIONS

Key technical specifications for the WUHAO W-10A Replacement Battery:

Specification	Detail
Model Number	W-10A (also W-10, W10A, W10)
Battery Type	Rechargeable Lithium-Ion Battery
Rated Voltage	3.85V
Energy Capacity	19.78Wh
Minimum Capacity	5040mAh
Item Weight	1.6 ounces (approximately 45 grams)
Package Dimensions	4.3 x 3.1 x 0.4 inches
Manufacturer	WUHAO

Upgrade High Capacity

5040
mAh



- Same Size
- More Use Time
- Higher Capacity

Image: The WUHAO W-10A battery, emphasizing its 5040mAh high capacity for extended use.

9. WARRANTY AND SUPPORT

WUHAO products are backed by a commitment to quality and customer satisfaction. If you have any questions or require assistance with your WUHAO W-10A replacement battery, please contact WUHAO customer service. Our team is available to provide support for both pre-sales inquiries and after-sales service.

For specific warranty details and to initiate a support request, please refer to the contact information provided with your purchase or visit the official WUHAO store page on Amazon.