

NETGEAR®

Service Manual

Nighthawk 5G M7 Battery Replacement

Model

- MH7110
- MH7150

December 2025
202-12913-01

NETGEAR, Inc.

3553 N. 1st St.
San Jose, CA 95134, USA

Trademarks

Trademarks© NETGEAR, Inc., NETGEAR, and the NETGEAR Logo are trademarks of NETGEAR, Inc. Any non-NETGEAR trademarks are used for reference purposes only.

Revision History

Publication Part Number	Publish Date	Comments
202-12913-01	December 2025	Initial release.

Contents


Chapter 1 Battery replacement


Remove and replace the device battery..... 6

1

Battery replacement


The internal battery in the M7 hotspot can be replaced by a trained service technician using the following tools and procedure.

 **WARNING:** Do not attempt to replace the battery unless you have the training and experience to repair electronic devices. Improper battery replacement, improper handling of parts, or failure to follow the provided instructions could result in fire, injury, data loss, or damage to the device, parts, or other property.

 **WARNING:** The NETGEAR warranty does not cover damage to the NETGEAR product caused by non-NETGEAR batteries or chargers. The quality, reliability and safety of counterfeit batteries is uncertain, and in some cases, may be dangerous. It is possible that some counterfeit batteries may ignite or explode, resulting in injury or damage to the user, property or your NETGEAR product.

To the extent permissible by applicable law, NETGEAR, Inc. disclaims all liability whatsoever related to the usage of counterfeit or non-NETGEAR batteries in NETGEAR products, including without limitation, fire, damage to property, bodily injury, and/or death. A counterfeit or non-NETGEAR battery that causes damage to the NETGEAR product may render the NETGEAR, Inc. warranty null and void. You assume any and all risks associated with the usage of counterfeit or non-NETGEAR batteries in NETGEAR products, including without limitation, fire, damage to property, bodily injury, and/or death.

Before you begin

 **WARNING:** Ensure that the device battery charge is below 25% before beginning service. Charged lithium-ion batteries are a potential safety hazard.

The following tools are required to replace the M7 hotspot battery:

- Electrostatic discharge (ESD) safe tweezers
- Isopropyl alcohol

Nighthawk 5G M7

- #1 head size Philips screwdriver
- Torque driver with #1 Philips head set to 1 kg-cm

Remove and replace the device battery

1. Set up a clean and well-lit work area free of any conductive materials, and wear clean gloves or ensure your hands are also clean and free of conductive materials.
2. Ensure that the device battery charge is below 25%.
3. If the device is not already powered off, power it off.
4. Use tweezers to peel the serial number label off of the backside of the device.
Keep the label nearby in a safe place to reinstall later.



Nighthawk 5G M7

5. Use the #1 Philips screwdriver to remove the M2x4.5 screw holding the back cover in place.



6. Slide the back cover towards the bottom of the device, then lift to remove it.



Nighthawk 5G M7

7. Use the #1 Philips screwdriver to remove the three M2x4.5 screws holding the battery in place.



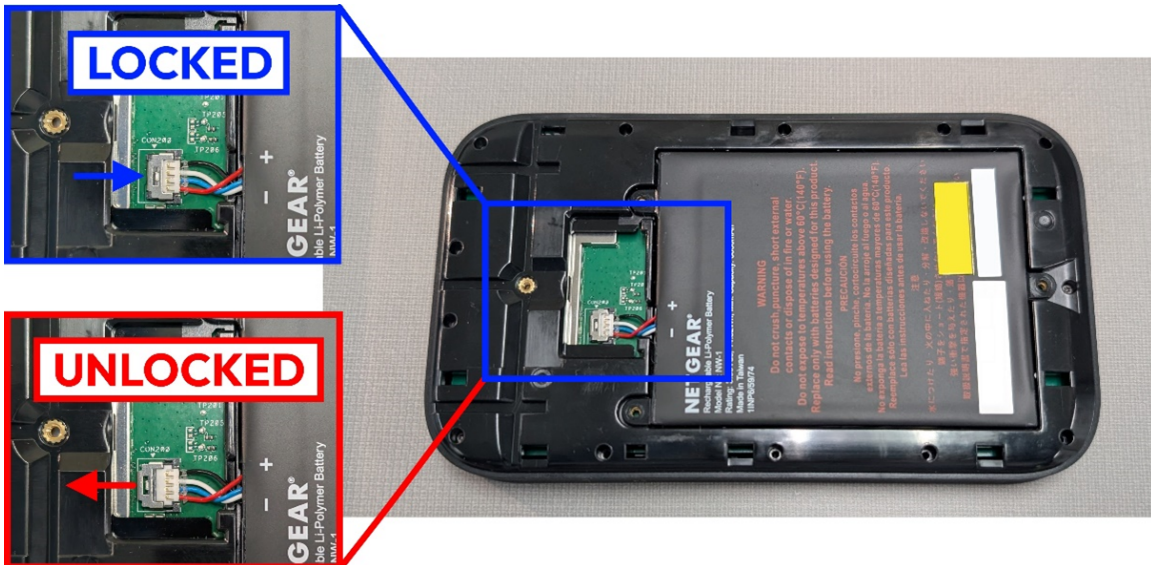
8. Remove the battery connector cover by compressing the plastic clip with your finger and pulling upward.

Nighthawk 5G M7

Note the orientation of the plastic clip for easier reinstallation later.

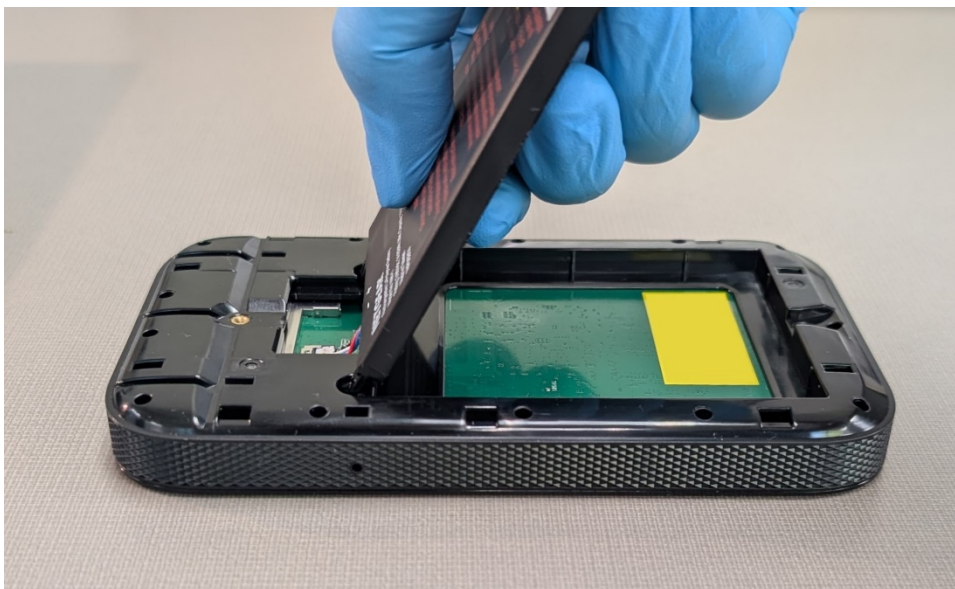


9. Disconnect the battery by sliding the metal battery connector clip outward and into the unlocked position.

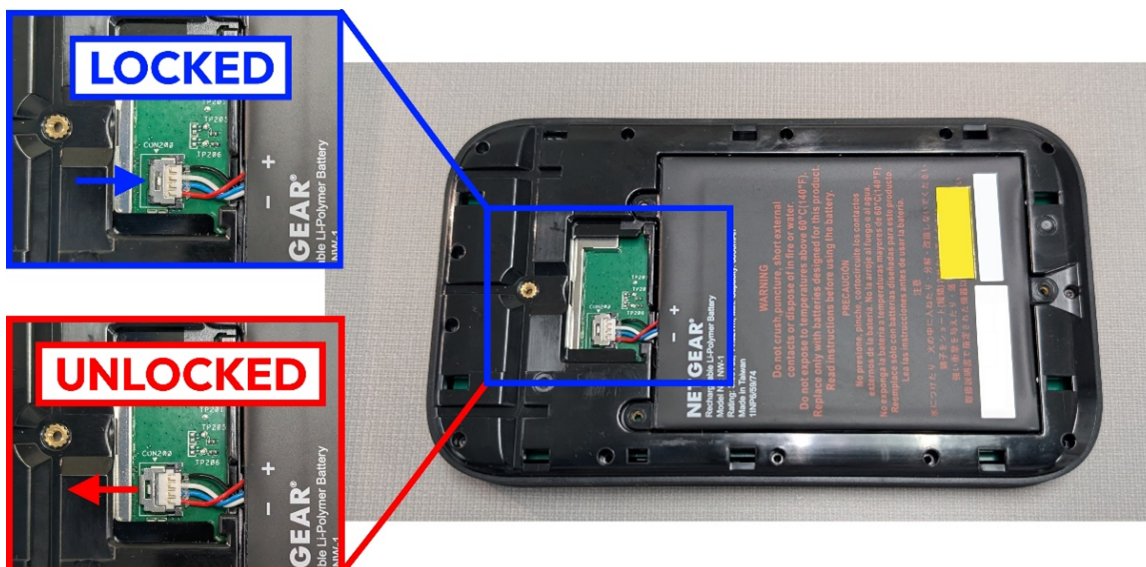


Nighthawk 5G M7

10. Remove the battery from the device by lifting gently from the back, holding the wire connection, and pulling upward.



11. Ensure that the new battery has no visible signs of damage.
12. Place the new battery in the device and insert the battery connector so that it sits flat.
13. Slide the metal battery connector clip inward into the locked position.



14. Use the torque driver to secure the three M2x4.5 battery screws and torque to 1 kg-cm.

Nighthawk 5G M7

⚠ CAUTION: Do not tighten past 1 kg-cm. Overtightening can damage your battery or device.



15. Replace the battery connector cover by sliding the long edge of the cover into position and pressing downward to snap the other side into place.

The correct orientation has the flat side of the cover facing down and the flexible clip side facing away from the battery.



16. Replace the back cover by placing it on the device, then sliding it upward into place.



17. Use the torque driver to secure the M2x4.5 screw holding the back cover and torque to 1 kg-cm.

⚠ CAUTION: Do not tighten past 1 kg-cm. Overtightening can damage your device.

18. Using a small amount of isopropyl alcohol, clean the serial number label recess on the device back cover.
19. Reinstall the serial number label in its recess on the device back cover.