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› **NETGEAR Nighthawk M6 5G Mobile Hotspot (MR6150) User Manual**

NETGEAR MR6150

NETGEAR Nighthawk M6 5G Mobile Hotspot (MR6150) User Manual

Model: MR6150-100NAS

1. INTRODUCTION

The NETGEAR Nighthawk M6 5G Mobile Hotspot provides blazing-fast 5G internet connectivity for home or on the go. This versatile device offers speeds up to 2.5Gbps and supports Wi-Fi 6 technology, allowing connection for up to 32 devices simultaneously. It features an intuitive 2.4-inch LCD touchscreen for easy management of settings and data usage. The M6 is unlocked for use with major carriers like AT&T, T-Mobile, and Verizon, offering flexibility for your mobile internet needs.



Figure 1: NETGEAR Nighthawk M6 5G Mobile Hotspot

Product Overview Video

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Video 1: Official overview of the MR6150 (M6) 5G WiFi 6 Mobile Hotspot, highlighting its features and capabilities.

2. PACKAGE CONTENTS

Ensure all items are present in your package:

- Nighthawk M6 Mobile Hotspot device
- Battery (MR6150)

- AC Adapter
- USB Type-C Cable
- Warranty Card
- Quick Start Guide



Figure 2: Nighthawk M6 Mobile Hotspot and included accessories.

3. SETUP GUIDE

Follow these steps to set up your Nighthawk M6 Mobile Hotspot:

1. **Insert SIM Card:** Carefully slide an activated SIM card from your 5G internet service provider into the designated slot on the back of the hotspot.
2. **Install Battery:** Align the battery with the connectors and insert it into the back of the hotspot. Secure it with the battery cover.
3. **Power On:** Press and hold the power button on the top side of the hotspot until the screen illuminates.
4. **Initial Configuration:** Use the 2.4-inch LCD touchscreen to complete the initial setup. You can customize your Wi-Fi network name (SSID) and password directly from the device or via the NETGEAR Mobile app.

Setup Video Tutorial

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Video 2: Step-by-step guide on how to set up your Nighthawk M6 Mobile Hotspot, including SIM and battery installation.

4. CONNECTING DEVICES

The Nighthawk M6 allows you to connect up to 32 devices simultaneously. To connect your laptop, tablet, smartphone, or other Wi-Fi enabled devices:

1. **Find Wi-Fi Network:** On your device, open the Wi-Fi settings and look for the Nighthawk M6's network name (SSID).
2. **Enter Password:** Select the network and enter the Wi-Fi password displayed on the hotspot's screen or found in the Quick Start Guide.
3. **Connect via App:** For advanced management, download the NETGEAR Mobile app. It allows you to customize Wi-Fi settings, monitor data usage, and manage connected devices.

Fast, Reliable, Secure 5G WiFi Anywhere You Go



Figure 3: Fast, Reliable, Secure 5G WiFi Anywhere You Go.

5. OPERATING YOUR HOTSPOT

The Nighthawk M6 is designed for ease of use with its intuitive touchscreen interface and powerful features:

- **LCD Touchscreen:** The 2.4-inch color LCD touchscreen allows you to conveniently monitor data usage, view Wi-Fi name/password, check mobile signal strength, and manage device and network settings.
- **Power Modes:** The device offers different power modes to optimize performance or battery life. You can choose between balanced, performance, or best performance & range modes.
- **In-Home Performance Mode:** For extended Wi-Fi coverage up to 2,000 sq. ft. at home, remove the battery and connect the M6 to wall power using the AC adapter. This mode boosts Wi-Fi signal strength for a wider range.
- **Long-lasting Battery:** The included 5040mAh Lithium Ion battery provides up to 13 hours of usage on a single charge, making it ideal for travel and on-the-go connectivity.
- **Wired Connectivity:** The 1 Gigabit Ethernet port allows for a wired connection to a Wi-Fi router, mesh system, laptop, or other wired devices, offering fast and reliable internet access.

Boost 5G Performance And WiFi Coverage

Remove battery and switch to wall power



Figure 4: Boost 5G Performance and WiFi Coverage.

6. MAINTENANCE

To ensure optimal performance and longevity of your Nighthawk M6:

- **Software Updates:** Regularly check for and install software updates via the device's settings menu or the NETGEAR Mobile app to ensure you have the latest features and security enhancements.
- **Battery Care:** To prolong battery life, avoid exposing the device to extreme temperatures. If using the In-Home Performance mode for extended periods, consider removing the battery.
- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using liquid cleaners or abrasive materials.

7. TROUBLESHOOTING

If you encounter issues with your Nighthawk M6, try the following:

- **No Internet Connection:** Ensure your SIM card is properly inserted and activated with your service provider. Check the signal strength on the device's screen. Try restarting the hotspot.
- **Weak Signal:** Move the hotspot to an area with better cellular reception. If consistently experiencing weak signals, consider connecting external 5G antennas (sold separately) to the TS-9 connectors on the device for improved reception.
- **Device Not Connecting:** Verify the Wi-Fi network name and password. Ensure the device is within the hotspot's Wi-Fi range. Restart both the hotspot and the device you are trying to connect.
- **Slow Speeds:** Check your data plan limits. Ensure no background applications are consuming excessive bandwidth. Try changing the power mode to 'Performance' or 'Best Performance & Range'.

Unlocked To Select The Carrier Of Your Choice



Figure 5: Unlocked to Select the Carrier of Your Choice.

8. TECHNICAL SPECIFICATIONS

| | |
|---------------------------|---|
| Brand | NETGEAR |
| Model Name | Nighthawk M6 |
| Item Model Number | MR6150-100NAS |
| Product Dimensions | 4.14 x 4.14 x 0.85 inches |
| Item Weight | 1.28 pounds |
| Batteries | 1 Lithium Ion batteries required (included) |

| | |
|--|---|
| Special Feature | Wireless, Wi-Fi, 5G Modem, Connects Up to 34 Devices, Internet Security |
| Frequency Band Class | Dual-Band |
| Wireless Communication Standard | 802.11ax (Wi-Fi 6) |
| Compatible Devices | Laptop, Tablet, Smartphone |
| Frequency | 2.4 GHz (and 5 GHz for Dual-Band) |
| Recommended Uses For Product | Home, Travel |
| Connectivity Technology | USB, Ethernet |
| Manufacturer | Netgear |
| Country of Origin | Indonesia |

Powerful Enough For Home Or Work

Perfect as a primary or backup internet connection so you can always stay connected and protected

Fast, Reliable 5G WiFi Anywhere You Go

Stream videos, work online, host Zoom calls, and more, all at once



Figure 6: Ultra-fast, Reliable Wired Connections via USB-C and Ethernet.

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the Warranty Card included in your product package. For additional support, including FAQs, troubleshooting guides, and software downloads, visit the official NETGEAR support website. You can also find the official User Manual (PDF) and Installation Manual (PDF) for further assistance:

- [User Manual \(PDF\)](#)
- [Installation Manual \(PDF\)](#)