

NETGEAR MR6110

NETGEAR Nighthawk M6 5G WiFi 6 Mobile Hotspot Router (MR6110) Instruction Manual

Model: MR6110

1. INTRODUCTION

This manual provides essential instructions for setting up, operating, maintaining, and troubleshooting your NETGEAR Nighthawk M6 (MR6110) 5G WiFi 6 Mobile Hotspot Router. This device offers high-speed 5G and WiFi 6 connectivity, enabling you to create a portable wireless network.

5G Mobile Router



M6

5G BAND	Sub-6
WIFI 6 SPEED	3.6Gbps
CONCURRENT DEVICES	up to 32
ETHERNET	1G port

Additional M6 Features

Qualcomm 5G Technology
Powered by the Qualcomm Snapdragon™ X62 5G modem

Long-life Battery
Lasts all day on a single charge

Simple, Intuitive Touch Screen Display
Manage data usage and more



Touch Activated Control Screen

4.14 in

4.14 in

21.5 mm

Power

1G Ethernet port

Figure 1: NETGEAR Nighthawk M6 5G Mobile Router highlighting Qualcomm 5G Technology, long-life battery, simple intuitive touchscreen display, and key specifications like 5G Sub-6 band, WiFi 6 speed (3.6Gbps), up to 32 concurrent devices, and a 1G Ethernet port.

2. SETUP

2.1 Unboxing

Verify that the following items are included in your package:

- NETGEAR Nighthawk M6 (MR6110) Mobile Hotspot Router

- Lithium Ion Battery
- USB Cable

2.2 Battery and SIM Card Installation

1. Remove the back cover of the device.
2. Insert the provided Lithium Ion battery into its compartment, ensuring proper alignment.
3. Carefully insert your 5G compatible SIM card into the designated slot. Observe the small diagram near the slot for correct orientation (pin side down). Ensure the SIM card is fully seated.
4. Replace the back cover.



Figure 2: Rear view of the NETGEAR Nighthawk M6, showing the removable back cover for battery and SIM card access.

2.3 Power On and Initial Connection

1. Press and hold the power button until the screen illuminates.
2. The device will boot up and display the network status.
3. On the device's touchscreen, locate the Wi-Fi Network Name (SSID) and Password. For example, the default SSID might be 'ATT-WiFi-8268' and the password 'g9ZM2woX'.
4. On your computer or mobile device, search for available Wi-Fi networks and select the SSID displayed on your

Nighthawk M6.

5. Enter the Wi-Fi password when prompted.
6. For advanced configuration, access the device's web interface by typing the IP address (usually 192.168.1.1 or 10.0.0.1) into a web browser on a connected device. Refer to the device screen or packaging for the exact IP address and login credentials.



Figure 3: Front view of the NETGEAR Nighthawk M6, displaying the touchscreen with Wi-Fi SSID, password, and main menu icons.

3. OPERATING THE DEVICE

3.1 Touchscreen Navigation

The Nighthawk M6 features a touch-activated control screen for managing settings and monitoring status. Key icons typically include:

- **Internet:** Displays connection status and data usage.
- **Network Map:** Shows connected devices.

- **WiFi:** Manages Wi-Fi settings, including SSID and password.
- **Power Manager:** Accesses battery and power-saving options.
- **Messages:** For network-related notifications.
- **Settings:** Accesses advanced device configurations.

3.2 Ethernet Port Usage

The device includes a 1 Gigabit Ethernet port. This port allows you to connect a single wired device directly to the hotspot for internet access or to connect a separate Wi-Fi router to extend your network.



Figure 4: Bottom view of the NETGEAR Nighthawk M6, illustrating the USB-C charging port and the 1 Gigabit Ethernet port.

3.3 Dual-Band Wi-Fi

The Nighthawk M6 supports dual-band Wi-Fi (2.4GHz and 5GHz), allowing compatibility with a wide range of devices. You can configure these settings via the touchscreen or web interface.

3.4 Power Management

The device can operate on its internal battery or directly from a power source using the USB-C cable. For extended use or to potentially reduce heat, consider removing the battery and powering the device directly via the USB-C connection.

4. MAINTENANCE

4.1 Battery Care

- Avoid exposing the battery to extreme temperatures.
- For optimal battery longevity, avoid constantly keeping the battery at 100% charge or letting it fully discharge frequently.
- If storing the device for an extended period, charge the battery to approximately 50% before storage.

4.2 Cleaning

Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or abrasive materials, which can damage the screen or casing.

5. TROUBLESHOOTING

5.1 SIM Card Not Recognized or Device Locked

The NETGEAR Nighthawk M6 (MR6110) is certified with AT&T. While described as 'unlocked', some users have reported issues with non-AT&T SIM cards requiring an unlock PIN. If you encounter this, ensure your SIM card is from AT&T or contact your service provider for assistance with unlocking or activation.

5.2 Activation Issues

If you experience difficulty activating your SIM card or connecting to the cellular network, contact your wireless service provider (e.g., AT&T) for support. They can assist with plan verification and network configuration.

5.3 Device Restarts After Configuration Changes

Many configuration changes made via the touchscreen or web interface will require the device to restart to apply the new settings. This is normal behavior. Allow sufficient time for the device to reboot.

5.4 Overheating

If the device feels excessively warm, consider the following:

- Ensure adequate airflow around the device. Avoid placing it on soft surfaces that can block vents.
- If operating for extended periods, especially when charging, consider removing the battery and powering the device directly via the USB-C cable.

5.5 Configuring LAN Settings

Changing LAN settings, such as the device's IP address or DHCP range, is typically done through the web interface under the DHCP settings. Be aware that this process may require multiple restarts and careful configuration to avoid network disruptions.

6. SPECIFICATIONS

Brand	NETGEAR
Model Name	M6
Item Model Number	MR6110 GSM Unlocked
Product Dimensions	6 x 5.5 x 3.5 inches
Item Weight	8 ounces
Batteries	1 Lithium Ion battery (included)
Special Feature	WPS
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11ax (WiFi 6)
Connectivity Technology	USB
Included Components	USB Cable
Color	White

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official NETGEAR support website. Note that for renewed or refurbished devices, NETGEAR may direct support inquiries to your wireless service provider (e.g., AT&T) for network-related issues. It is recommended to contact your service provider first for SIM card activation and cellular connectivity problems.

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