NETGEAR MR1100-100NAS

NETGEAR Nighthawk M1 4G LTE WiFi Mobile Hotspot

Model: MR1100-100NAS

Brand: NETGEAR

Introduction

The NETGEAR Nighthawk M1 Mobile Hotspot Router is designed to provide high-speed internet connectivity on the go. It supports up to 1Gbps download speeds and connects up to 20 devices, offering a secure wireless network anywhere. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1: NETGEAR Nighthawk M1 Mobile Hotspot

What's in the Box

Verify that all items are present in the package:

- NETGEAR Nighthawk Mobile Hotspot Router
- Removable lithium-ion (Li-ion) battery
- AC charger and USB Type-C cable
- Quick start guide

Setup

1. Insert the SIM Card and Battery

The Nighthawk M1 requires a Micro SIM card from your chosen carrier. Ensure the device is powered off before inserting

the SIM card or battery.

1. Remove the back cover of the Nighthawk M1.
2. Carefully insert your Micro SIM card into the SIM card slot until it clicks into place.
3. Insert the removable lithium-ion battery into its compartment, aligning the contacts.
4. Replace the back cover.



Figure 2: SIM Card and Battery Installation Area

2. Power On and Initial Configuration

After inserting the SIM card and battery, connect the device to the AC charger using the USB Type-C cable. Press and hold the power button to turn on the device.
The device will boot up and display network information on its 2.4-inch LCD panel. You may need to activate a compatible BYOD (Bring Your Own Device) data plan with your carrier. Contact your cellular provider with the 15-digit IMEI number (found on the product label) to confirm compatibility and activate your service.



Figure 3: Activating Your Device with a Data Plan

Operating Your Device

Connecting Devices

The Nighthawk M1 can connect up to 20 devices wirelessly via Wi-Fi. It also features a Gigabit Ethernet port for wired connections and a USB port for sharing storage or media streaming.

- **Wi-Fi Connection:** On your device (laptop, smartphone, tablet), search for available Wi-Fi networks. Select the network name (SSID) displayed on the Nighthawk M1's screen and enter the password.
- **Ethernet Connection:** Connect an Ethernet cable from the Nighthawk M1's Ethernet port to your computer or another network device.
- **USB Connection:** Use the USB port to connect a storage device for shared access or media streaming to connected wireless devices.



Figure 4: Nighthawk M1 in Use

Monitoring and Settings

The 2.4-inch LCD screen allows you to easily monitor data usage, signal strength, battery level, and connected devices. You can also access advanced settings and manage your network via the NETGEAR app or a web browser by navigating to the device's IP address (usually 192.168.1.1 or 192.168.0.1).



Figure 5: Portable and Secure Wireless Network

Maintenance

Battery Care

To maximize battery life and performance:

- If using the device primarily as a stationary router, consider removing the battery when it is continuously plugged into power.
- Avoid letting the battery completely discharge.
- Keep the battery charged when the device is not in use for extended periods.
- Do not leave the device on the charger indefinitely once the battery is full.

General Cleaning

Wipe the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials that could damage the device's surface or internal components.

Troubleshooting

No Internet Connection / Frequent Disconnections

- **Check SIM Card:** Ensure the Micro SIM card is correctly inserted and activated with your carrier.
- **Signal Strength:** Verify the signal strength displayed on the device's screen. Move to an area with better cellular coverage if the signal is weak.
- **Data Plan:** Confirm your data plan is active and has available data.
- **Carrier Specific Issues (T-Mobile):** If you are a T-Mobile user and experience connectivity issues, contact T-Mobile support to ensure your device is on the correct plan for mobile hotspots. Recent changes in T-Mobile plans may affect connectivity for the MR1100.
- **Reboot Device:** Power off the Nighthawk M1, remove the battery for a few seconds, then reinsert it and power on the device.

Device in Constant Reboot Loop

- This can sometimes occur if the device is overwhelmed by too many connected devices or heavy data usage. Try disconnecting some devices.
- Perform a factory reset (refer to the full user manual for instructions on how to perform a factory reset). Note that a factory reset will erase all custom settings.

Device Not Charging

- Ensure the USB Type-C cable and AC charger are securely connected and functioning correctly. Try a different cable or charger if available.
- Check the charging port for any debris or damage.

For more detailed troubleshooting, refer to the official User Guide available as a PDF: NETGEAR Nighthawk M1 User Guide (PDF)

Technical Specifications

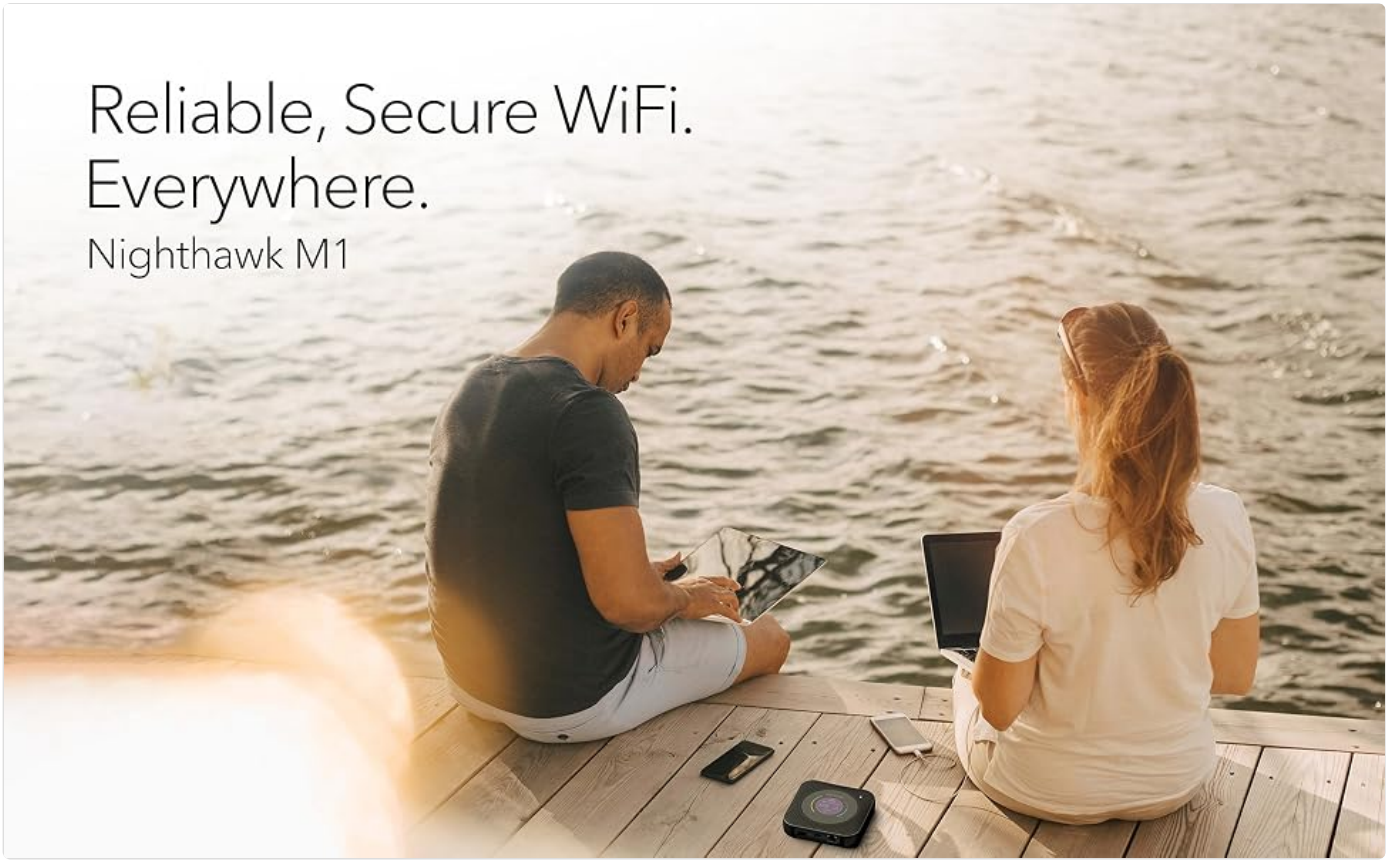


Figure 6: Nighthawk M1 Technical Overview

NETGEAR Nighthawk M1 (MR1100-100NAS) Specifications

Feature	Detail
Model Number	MR1100-100NAS
Standing Screen Display Size	2.4 Inches
Wireless Type	802.11ac (Dual-Band/Dual-Concurrent WiFi)
LTE/4G Bands	1, 2, 3, 4, 5, 7, 12, 14, 29, 30, 66
3G Bands	2, 4, 5
Max Download Speed	Up to 1Gbps
Max Upload Speed	150 Mbps
Ethernet Port	1 Gigabit Ethernet Port
USB Ports	USB-C Port, USB-A Port
Antenna Connectors	Dual TS-9 external 3G/4G antennas connectors
Battery	5040mAh Lithium Ion (included)
Item Weight	8.5 ounces
Product Dimensions (LxWxH)	4.15 x 4.15 x 0.8 inches
Color	BLACK

Warranty and Support

Warranty Information

The NETGEAR Nighthawk M1 typically comes with a 1-year hardware warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official NETGEAR support website.

Customer Support

For technical assistance, product registration, or to access the latest drivers and firmware updates, please visit the official NETGEAR support website. You can also refer to the comprehensive User Guide for detailed instructions and troubleshooting steps.
Official User Guide (PDF):
https://manuals.plus/m/d2c795ac90db7c22c1881584499b3542a45ddeca3dd410e5f3b809b4420b5b29
Please note that NETGEAR may offer limited complimentary technical support for a period after purchase. Extended support plans may be available for purchase.

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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.

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