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NETGEAR MK73-100NAR

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1. INTRODUCTION

This manual provides instructions for setting up, operating, and maintaining your NETGEAR MK73-100NAR Nighthawk AX3000 WiFi 6 Mesh System. This system is designed to provide extensive and reliable WiFi coverage throughout your home or office, utilizing WiFi 6 technology for enhanced speed and capacity.



Netgear MK73-100NAR Nighthawk

MK73 Key Features

Up to 3.0 Gbps	2.5x Faster speed than WiFi 5
25+ Concurrent devices	4,500 sq. ft. Coverage

NIGHTHAWK

The graphic features a black Nighthawk router in the center, set against a blue background with a network diagram of nodes and lines. The text is white and yellow, highlighting key performance metrics.

Image 1.1: Overview of NETGEAR MK73 Key Features, highlighting up to 3.0 Gbps speed, 2.5x faster than WiFi 5, support for 25+ concurrent devices, and 4,500 sq. ft. coverage.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- One (1) Nighthawk AX3000 WiFi 6 Mesh Router (MR70)
- Two (2) Nighthawk AX3000 WiFi 6 Mesh Satellites (MS70)
- Three (3) Power Adapters
- One (1) Ethernet Cable
- Quick Start Guide (may be included as printed documentation)

3. PHYSICAL OVERVIEW

3.1. Router (MR70)

The router unit serves as the primary connection point to your internet service. It features multiple ports for wired connections.



Image 3.1: Back panel of the Nighthawk Router, showing Ethernet ports for devices, a 1 Gigabit WAN port for internet connection, DC power input, Reset button, and Sync button.

3.2. Satellite (MS70)

The satellite units extend your WiFi coverage. They connect wirelessly to the router and also provide Ethernet ports for wired devices.



Image 3.2: Back panel of a Nighthawk Satellite, showing Ethernet ports for devices, DC power input, Reset button, and Sync button.

4. SETUP INSTRUCTIONS

Follow these steps to set up your NETGEAR Nighthawk Mesh WiFi 6 System:

1. Prepare for Installation:

- Unplug your existing modem and router (if separate).
- Place the Nighthawk router in a central location, preferably near your modem.

2. Connect the Router:

- Connect your modem to the yellow 1 Gigabit WAN port on the Nighthawk router using the provided Ethernet cable.
- Plug the router's power adapter into the DC-IN port and then into a power outlet. Wait for the router's LED to turn solid white.

3. Install the Nighthawk App:

- Download the Nighthawk app from the Apple App Store or Google Play Store on your mobile device.
- Open the Nighthawk app and follow the on-screen instructions to set up your WiFi network.

4. Position and Connect Satellites:

- Place the satellites in locations that provide optimal WiFi coverage, typically halfway between the router and the areas needing extended coverage. Avoid placing them near large metal objects or electronics that could cause interference.
- Plug each satellite's power adapter into the DC-IN port and then into a power outlet.
- The satellite's LED will indicate its connection status. A solid white LED means a good connection. If the LED is amber, move the satellite closer to the router.

5. Verify Connection:

- Once all devices are connected and LEDs are solid white, connect your devices to the new Nighthawk WiFi network using the network name (SSID) and password you created during app setup.

Advanced WiFi 6 coverage up to 4,500 sq. ft.



Image 4.1: Diagram illustrating the placement of the Nighthawk Router and Satellites to achieve advanced WiFi 6 coverage up to 4,500 sq. ft. throughout a home.

5. OPERATING INSTRUCTIONS

5.1. Managing Your Network with the Nighthawk App

The Nighthawk app provides comprehensive control over your mesh WiFi system:

- **View Connected Devices:** See all devices connected to your network.
- **Guest WiFi:** Set up a separate network for guests.
- **Parental Controls:** Manage internet access for family members.
- **Security Features:** Access network security settings.
- **Firmware Updates:** Check for and install the latest firmware.

5.2. Wired Connections

Use the Ethernet ports on the router and satellites to connect devices that require a stable wired connection, such as gaming consoles, smart TVs, or desktop computers.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your mesh system:

- **Firmware Updates:** Regularly check for and install firmware updates through the Nighthawk app or the web interface. Updates often include performance improvements and security patches.
- **Rebooting:** Periodically reboot your router and satellites (e.g., once a month) by unplugging them from power for 10 seconds and then plugging them back in. This can resolve minor connectivity issues.
- **Cleaning:** Keep the devices clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation openings are not blocked.

- **Placement:** Ensure devices are placed in open areas, away from obstructions, large metal objects, and other electronics that might cause interference.

7. TROUBLESHOOTING

If you encounter issues with your Nighthawk Mesh WiFi 6 System, try the following solutions:

7.1. No Internet Connection

- **Check Cables:** Ensure all Ethernet cables are securely connected to the router and modem.
- **Reboot Devices:** Power cycle your modem, then your Nighthawk router, and finally your satellites. Wait for each device to fully boot before powering on the next.
- **Modem Status:** Check your modem's indicator lights to ensure it has an active internet connection.

7.2. Weak WiFi Signal or Dead Zones

- **Satellite Placement:** Adjust the position of your satellites. Try moving them closer to the router or to a more central location within the weak signal area.
- **Interference:** Move devices away from potential sources of interference such as cordless phones, microwaves, or large metal objects.

7.3. Devices Not Connecting to WiFi

- **Correct Password:** Verify you are entering the correct WiFi network name (SSID) and password.
- **Reboot Device:** Restart the device attempting to connect.
- **Network Visibility:** Ensure your WiFi network is broadcasting (not hidden).

7.4. Slow Speeds

- **Internet Service:** Confirm your internet service provider (ISP) is delivering the expected speeds.
- **Device Location:** Ensure your devices are within optimal range of the router or a satellite.
- **Channel Interference:** The Nighthawk system typically optimizes channels automatically, but if issues persist, check for crowded WiFi channels in your area using the app or web interface.

7.5. Factory Reset

If all other troubleshooting steps fail, you may need to perform a factory reset. This will erase all custom settings and restore the device to its original factory defaults. To perform a factory reset, use a paperclip to press and hold the Reset button on the back of the router or satellite for about 7-10 seconds until the LED flashes.

8. SPECIFICATIONS

Feature	Detail
Model Name	MK73-100NAR
Wireless Standard	802.11ax (WiFi 6)
Frequency Band Class	Dual-Band
Data Transfer Rate	Up to 3 Gigabits Per Second
Coverage	Up to 4,500 square feet
Number of Ports (Router)	4 (1 WAN, 3 LAN)
Number of Ports (Satellite)	2 (LAN)
LAN Port Bandwidth	1 Gbps
Security Protocol	WPA2
Control Method	App (Nighthawk App)
Special Feature	WPS
Antenna Type	Internal

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This product comes with a 90-day limited warranty. Please refer to the warranty documentation provided with your purchase or visit the official NETGEAR website for full details regarding warranty terms and conditions.

9.2. Technical Support

For technical assistance, product registration, or to access additional resources, please visit the official NETGEAR support website. You can find FAQs, troubleshooting guides, and contact information for customer support there.

NETGEAR Support Website: www.netgear.com/support