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NETGEAR SXK30-100NAS

NETGEAR Orbi Pro WiFi 6 Mini Mesh System (SXK30) Instruction Manual

Model: SXK30-100NAS

INTRODUCTION

The NETGEAR Orbi Pro WiFi 6 Mini Mesh System (SXK30) is a dual-band mesh system designed to provide robust and high-speed WiFi coverage for business or home office environments. Utilizing the latest WiFi 6 (802.11ax) technology, it offers enhanced performance, increased connection capacity, and business-grade security features. This system is ideal for spaces up to 4,000 sq. ft. and supports up to 40 devices, ensuring seamless connectivity and efficient data throughput.

SETUP INSTRUCTIONS

Follow these steps to set up your Orbi Pro WiFi 6 Mini Mesh System:

1. Unboxing and Components: Verify that your package contains the following items:

- One (1) Orbi Pro WiFi 6 Mini Router (SXR30)
- One (1) Orbi Pro WiFi 6 Mini Satellite (SXS30)
- Two (2) 12V/1.5A power adapters
- One (1) 2m Ethernet cable
- Two (2) wallmounts with screws

2. Download the Orbi App: Download the NETGEAR Orbi app from your mobile device's app store. This app will guide you through the setup process.

3. Power Down Existing Equipment: Disconnect your old router and modem. Wait for 1-2 minutes before proceeding.

4. Connect the Orbi Router:

- Connect one end of the included Ethernet cable to the yellow 'Internet' port on the Orbi Router.
- Connect the other end of the Ethernet cable to your modem's LAN/Ethernet port.
- Plug the power adapter into the Orbi Router and then into a power outlet. The router's LED will blink white while starting up and turn solid white when ready.

5. **Position the Satellite:** Place the Orbi Satellite in a central location within the desired coverage area, ensuring it is within range of the router.
6. **Power On the Satellite:** Plug the power adapter into the Orbi Satellite and then into a power outlet. The satellite's LED will indicate its connection status.
7. **Complete Setup via App:** Follow the on-screen instructions in the Orbi app to finalize your network configuration, including setting up your WiFi name and password.

Video: How to Setup Netgear Orbi WiFi 7 Tri-Band Mesh System. This video demonstrates the physical connection and app-guided setup process for an Orbi mesh system.

OPERATING YOUR ORBI PRO WiFi 6 MINI SYSTEM

The Orbi Pro WiFi 6 Mini system offers advanced features for optimized network management and security.

Network Management with NETGEAR Insight

Manage your network remotely using the NETGEAR Insight app. This app allows you to monitor network status, connected devices, and adjust settings from anywhere. The system supports up to 4 SSIDs (Service Set Identifiers) for network segmentation, enabling you to create separate networks for administration, employees, guests, and IoT devices, enhancing security and control.

Industry's First Mesh System to Support
Wired and Wireless Network Segmentation



Image: NETGEAR Insight app interface. This image displays the NETGEAR Insight app on both a desktop computer and a smartphone, illustrating its remote management capabilities for the Orbi Pro WiFi 6 Mini Mesh System.

Wired Connectivity

The Orbi Pro WiFi 6 Mini Router (SXR30) features 3 Gigabit Ethernet LAN ports and 1 Gigabit Ethernet WAN port. The Orbi Pro WiFi 6 Mini Satellite (SXS30) provides 4 Gigabit Ethernet LAN ports. These ports allow for wired connections to devices such as printers, workstations, and point-of-sale systems, offloading traffic from the wireless network when needed.

VLAN and QoS

The system supports VLAN (Virtual Local Area Network) and QoS (Quality of Service) features. VLAN allows for advanced network segmentation beyond SSIDs, providing true enterprise-grade security by isolating different network segments. QoS enables prioritization of network traffic, ensuring critical applications receive sufficient bandwidth for optimal performance.



Image: Network Customization. This diagram illustrates how the Orbi Pro WiFi 6 Mini Mesh System allows for network customization by configuring up to four SSIDs to isolate critical devices, other devices, IoT devices, and guest WiFi.

MAINTENANCE

Regular maintenance ensures optimal performance and security for your Orbi Pro WiFi 6 Mini Mesh System.

Firmware Updates

NETGEAR regularly releases firmware updates to improve performance, add new features, and address security vulnerabilities. It is recommended to keep your system's firmware up-to-date. You can typically check for and apply updates through the NETGEAR Orbi app or the web interface. It is advisable to wait a few weeks after a new firmware release to ensure stability before updating.

Security Features

The Orbi Pro WiFi 6 Mini includes several security features:

- **MAC Address Filtering:** Control which devices can connect to your network based on their MAC address.
- **Disable UPnP:** For enhanced security, it is recommended to disable Universal Plug and Play (UPnP) if not explicitly required.
- **Change Router Address and IP Ranges:** Customize the router's IP address and the IP ranges for different VLANs to suit your network architecture and security policies.
- **Disable Remote Management:** Limit access to the router's configuration interface to local connections only.
- **WPS Functionality:** Firmware updates have removed WPS functionality from the fronthaul due to security concerns, enhancing overall network security.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

Admin Password Issues After Firmware Update

If the admin password stops working after a firmware update, it might be overwritten by an old password stored in the NETGEAR Insight app. To resolve this, change the password directly within the Insight app under "Location Configuration." This will automatically update the router's admin password.

Client Isolation Behavior

When "Client Isolation" is enabled, devices on the same network can see each other but are prevented from communicating directly (e.g., pinging or connecting). For true Layer 2 isolation where devices cannot even see each other, additional network configuration might be required, as the built-in client isolation primarily prevents direct communication rather than visibility.

Accessing Web Configuration

The device's web user interface (UI) can typically only be accessed via the default VLAN network (VLAN 1). Ensure your administrative computer is connected to a WiFi network or LAN port that uses the default VLAN profile when attempting to access the web UI.

Slow Settings Application

Applying configuration changes to the Orbi system can sometimes take a few minutes, and networks may temporarily go offline. This is normal behavior during the configuration process. Plan for this during initial setup or when making significant changes.

SPECIFICATIONS

Feature	Description
Product Dimensions	7 x 12 x 8 inches

Item Weight	4.7 pounds
Model Number	SXK30-100NAS
Brand	NETGEAR
Special Feature	QoS, WPS (functionality removed from fronthaul)
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11ax (WiFi 6)
Compatible Devices	Gaming Console, Laptop, iPhone
Recommended Uses	Business, Gaming, Home, Security
Connectivity Technology	Ethernet, Wi-Fi
Color	White
WiFi Speed	Up to 1.8Gbps (AX1800)
WiFi Coverage	Up to 4,000 sq. ft.
Connected Devices	Up to 40 devices
Internet Port	2.5 Gbps Internet Port
LAN Ports (Router)	3 Gigabit Ethernet LAN ports
LAN Ports (Satellite)	4 Gigabit Ethernet LAN ports



Image: Orbi Pro SXK30 Key Features. This image highlights the Orbi Pro SXK30's capabilities, including business-grade WiFi,

up to 1.8Gbps streaming speed, 1.5x faster than WiFi 5, support for 40 concurrent devices, and 4,000 sq. ft. coverage.

Image: WiFi Coverage Expansion. This diagram illustrates how adding more satellites can expand WiFi coverage up to 10,000 sq. ft., starting from 2,000 sq. ft. with a single router.

WARRANTY INFORMATION

The NETGEAR Orbi Pro WiFi 6 Mini AX1800 comes with a market-leading 5-year warranty. For detailed terms and conditions, please refer to the official NETGEAR website or contact customer support.

SUPPORT

For technical assistance and product support, please utilize the following resources:

- **NETGEAR Insight App:** The Insight app provides remote management capabilities and can be a first point of contact for basic troubleshooting and configuration.
- **NETGEAR Website:** Visit the official NETGEAR support website for comprehensive user manuals, FAQs, and troubleshooting guides specific to your Orbi Pro WiFi 6 Mini Mesh System.
- **Technical Support:** NETGEAR offers technical support for its products. While initial support may be free for a limited period, extended support might require a subscription. Contact NETGEAR support directly for assistance with complex issues.