Xiaomi DVB4499GL

Xiaomi Mesh System AX3000 NE User Manual

Model: DVB4499GL

PRODUCT OVERVIEW

The Xiaomi Mesh System AX3000 NE (2 Units) is designed to provide a high-speed, stable, and wide-ranging Wi-Fi 6 network throughout your home or office. This system supports advanced mesh technology, allowing for seamless roaming and efficient connectivity for numerous devices.

Figure 1: Two Xiaomi Mesh System AX3000 NE units.

This image displays two white Xiaomi Mesh System AX3000 NE units, each featuring a sleek, minimalist design with a vertical light blue indicator strip on the front. These units are designed to blend seamlessly into various home environments.

KEY FEATURES

- **High-Speed Wi-Fi 6:** Achieve a comfortable communication experience with high-speed Wi-Fi 6. The system supports multiple Gigabit Ethernet ports, providing Gigabit speed connections for both wireless and wired devices.
- **Wide Communication Range:** Covers a wide communication range from studio apartments to detached houses. You can choose from a single unit to multiple units depending on the usage area. With the Xiaomi Home app, you can build a mesh network with up to 10 routers.
- **Extensive Device Support:** The 256MB large-capacity built-in memory allows connection of up to 250 terminal devices, effectively expanding capacity and efficiency even when the network becomes congested.
- **Seamless and Smart Connection:** Xiaomi mesh technology supports multiple routers, forming wired, wireless, and hybrid mesh networks. The Xiaomi Mesh System AX3000 NE achieves uninterrupted Wi-Fi throughout your home with millisecond-level roaming delay and automatic network optimization.
- **NFC One-Touch Connection:** Xiaomi smart devices automatically synchronize Wi-Fi passwords, eliminating the need for re-pairing even if the password changes. Furthermore, with built-in NFC functionality, you can connect to Wi-Fi simply by touching your smartphone to the router, without needing to enter a password.

- **Adaptive Gigabit Ethernet Ports:** Provides convenient usability and high connectivity with 4 full-speed Gigabit Ethernet ports, LAN port aggregation function, and WAN/LAN auto-detection function.

Figure 2: Overview of Xiaomi Mesh System AX3000 NE features.

This diagram highlights the main features of the system, including Wi-Fi 6 support for the entire home, easy pairing, support for multiple devices (up to 250), seamless roaming with Xiaomi Mesh, NFC one-touch connection, and Xiaomi's dedicated acceleration for optimized performance.

SETUP GUIDE

1. Unboxing and Initial Placement

Carefully remove all components from the packaging. The package includes the main unit(s) and a user manual. Place the main router unit in a central location within your home, ideally elevated and away from obstructions like large metal objects or thick walls.

家中どこにいても Wi-Fi をキャッチできる

全ユニットは工場出荷時に 2 パッ用にペアリング済み。
任意の 1 台をメインルーターに
設定し、残りの電源を入れるだけでメッシュネットワークが構築されます。

複数の壁に囲まれた環境

メインルーター 1 台 + サテライトルーター 1 台

広いワンフロアマンション
(3LDK〜4LDK・約 420 ㎡)

メインルーター 1 台 + サテライトルーター 1 台

メゾネットマンション
(3LDK〜6LDK・約 600 ㎡)

メインルーター 1 台 + サテライトルーター 2 台

戸建て
(約 600 ㎡)

メインルーター 1 台 + サテライトルーター 3 台

Figure 3: Rear view of the Xiaomi Mesh System AX3000 NE with ports.

This image shows the rear of the router unit, highlighting the four Gigabit Ethernet ports. These ports support adaptive WAN/LAN detection and LAN port aggregation, providing flexible connectivity options for wired devices.

2. Connecting the Main Router

1. Connect the provided power adapter to the main router unit and plug it into a power outlet.

2. Connect one end of an Ethernet cable to the WAN port (usually labeled or distinctively colored) on the main router and the other end to your modem or optical network terminal (ONT).

3. Wait for the indicator light on the router to turn a steady blue, indicating a successful connection.

3. Setting Up Mesh Units (if applicable)

The units are pre-paired at the factory. Simply power on the additional mesh units and place them in areas where you need extended Wi-Fi coverage. They will automatically connect to the main router to form a seamless mesh network.

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Figure 4: Wi-Fi coverage examples for various home types.

This image demonstrates how the mesh system provides comprehensive Wi-Fi coverage across different home environments, from multi-walled apartments to large detached houses, ensuring strong signal strength in every room.

4. Connecting to the Network

1. **Via Wi-Fi:** On your smartphone or computer, search for available Wi-Fi networks. Select the network name (SSID) broadcast by your Xiaomi Mesh System. The default SSID and password can usually be found on a sticker on the bottom of the router.

2. **Via NFC (for compatible devices):** For NFC-enabled smartphones, simply tap your phone on the NFC area of the router to automatically connect to the Wi-Fi network without manual password entry.

3. **Via Ethernet:** Connect your wired devices (e.g., PC, gaming console) to any of the LAN ports on the router using an Ethernet cable.
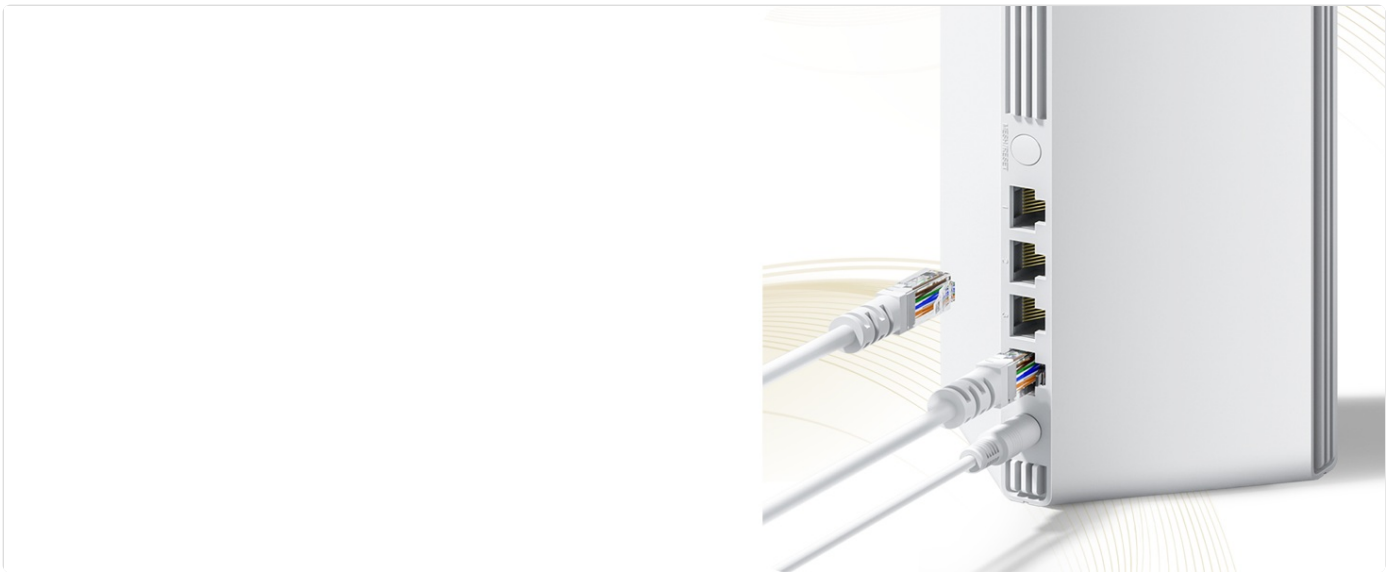

Figure 5: Xiaomi Home App and NFC connectivity.

This visual illustrates the convenience of connecting smart devices through the Xiaomi Home App and the innovative NFC one-touch connection feature, simplifying network access.

OPERATING INSTRUCTIONS

Xiaomi Home App

Download the Xiaomi Home app from your device's app store. The app allows you to manage your mesh network, view connected devices, set up parental controls, and configure advanced settings. Xiaomi smart devices will automatically synchronize Wi-Fi passwords, simplifying reconnection.

Network Optimization

The Xiaomi Mesh System AX3000 NE features automatic network optimization to ensure stable and high-speed connections. It intelligently selects the optimal frequency band (2.4GHz or 5GHz) for your devices and minimizes roaming delays.

Figure 6: Seamless roaming technology.

This graphic visually represents the seamless roaming capability of the Xiaomi Mesh System, ensuring uninterrupted Wi-Fi connectivity as you move throughout your home.

MAINTENANCE

- **Firmware Updates:** Regularly check for and install firmware updates via the Xiaomi Home app to ensure optimal performance and security.
- **Cleaning:** Keep the router units clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Ventilation:** Ensure proper ventilation around the units to prevent overheating. Do not cover the ventilation holes.
- **Rebooting:** If you experience network issues, try rebooting the main router and mesh units by unplugging them from power for 10 seconds and then plugging them back in.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No internet connection	Modem/ONT issue, incorrect cable connection, router not powered on.	Check modem/ONT status. Ensure Ethernet cable is securely connected to WAN port. Verify router is powered on and indicator light is steady blue. Reboot modem and router.

Problem	Possible Cause	Solution
Weak Wi-Fi signal in certain areas	Mesh units too far apart, interference from other devices, physical obstructions.	Relocate mesh units closer to each other or to the main router. Avoid placing units near large metal objects, microwaves, or cordless phones.
Cannot connect to Wi-Fi	Incorrect Wi-Fi password, device not supported, Wi-Fi disabled.	Double-check Wi-Fi password. Ensure Wi-Fi is enabled on your device. Try connecting via NFC if available.
Slow internet speed	Network congestion, outdated firmware, too many connected devices.	Reduce the number of active devices. Update router firmware. Consider adding more mesh units for larger homes.

SPECIFICATIONS

Feature	Detail
Brand	Xiaomi
Model Number	DVB4499GL
Connectivity Technology	Wi-Fi
Wi-Fi Standard	Wi-Fi 6 (AX3000)
Max Wireless Speed	Up to 3000Mbps
Frequency Bands	2.4GHz, 5GHz (Dual Band)
Ethernet Ports	4 x Full-speed Gigabit Ethernet Ports (Adaptive WAN/LAN)
Internal Memory	256MB
Max Connected Devices	Up to 250
Mesh Network Support	Up to 10 routers via Xiaomi Home App
NFC Support	Yes (One-touch connection)
Package Dimensions	28.9 x 19.4 x 9.7 cm
Weight	1.4 kg
Included Components	Main unit(s), User Manual, Warranty Information

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Xiaomi website or contact Xiaomi customer service. The product typically comes with a standard manufacturer's warranty. Keep your purchase receipt for warranty claims.

Online Support: Visit the official Xiaomi support page for FAQs, troubleshooting guides, and software downloads.

Customer Service: Contact details for customer service can be found on the Xiaomi website or in the included warranty

information leaflet.