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DBIT D-MAX4

DBIT AX1500 WiFi 6 Mesh Wi-Fi System (3-Pack) Instruction Manual

MODEL: D-MAX4

1. Introduction

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your DBIT AX1500 WiFi 6 Mesh Wi-Fi System. Please read this manual carefully before using the product to ensure optimal performance and safety.



Image 1.1: DBIT AX1500 Mesh Wi-Fi System (3-Pack) Overview. The image displays three white and gray mesh units. The front unit shows the DBIT logo, while the rear unit displays the WAN, LAN, Mesh, Reset, and Power ports.

2. Package Contents

Verify that all items are present in your package:

- 3 Mesh Router Units
- 3 Power Adapters
- 1 RJ45 Ethernet Cable
- Quick Installation Guide

What's in the Box



Mesh Router X 3



Power Adapter X 3



Ethernet Cable X 1



QIG X 1

Image 2.1: Package Contents. This image illustrates the items included in the product box: three mesh router units, three power adapters, one yellow RJ45 Ethernet cable, and a quick installation guide.

3. Setup

3.1. Initial Setup of the Primary Mesh Router

1. **Power On:** Insert the power adapter into one mesh router unit and plug the other end into a power outlet. The LED indicator will turn solid red during startup, then flash yellow when ready for network connection.
2. **Connect to Modem:** Turn off your cable modem. Connect one end of the provided Ethernet cable to your modem and the other end to the WAN/LAN port of the mesh router. Turn on your cable modem and wait for it to fully start up.
3. **Verify Connection:** Wait for the mesh router's LED indicator to turn solid green, which signifies a normal network connection.

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Video 3.1: Instructions on how to set up the primary mesh router, including power connection, modem connection, and LED indicator status.

3.2. Setting Up with the MU-LINK App

1. **Connect to Wi-Fi:** Connect your smartphone or PC to the primary mesh router's Wi-Fi SSID. The default SSID and password are printed on the product label at the bottom of the unit.
2. **Download App:** Download and install the MU-LINK app from your device's app store.
3. **Log In:** Launch the app and log in using the credentials found on the product label.
4. **Configure Settings:** Within the app, you can view network status and customize settings such as Wi-Fi name, parental controls, guest network, and more.

Connect More Devices

The mesh system enables simultaneous connectivity for more devices with minimal latency—maximizing network efficiency and capacity.



Image 3.2: Quick Setup with MU-LINK App. This diagram illustrates the four steps for setting up the mesh system using the mobile application.

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Video 3.3: A visual guide on how to set up the mesh system using the MU-LINK app, covering initial connection and app login.

3.3. Adding More Mesh Nodes

You can add additional mesh nodes using two methods:

Method 1: Via MU-LINK App

1. Power up the secondary mesh router(s). Wait for the secondary node's LED light to blink yellow.
2. The MU-LINK app will automatically detect the new device(s) for mesh networking. Follow the on-screen prompts to complete the networking process sequentially. Do not attempt to network multiple devices simultaneously.
3. The LED turning solid green indicates a successful connection. If the LED does not turn solid green, reset the secondary node(s) and try again.

Method 2: One-Button Networking (Mesh Button)

1. Press the Mesh button on the already connected primary node. The green light will blink rapidly.
2. Within two minutes, press the Mesh button on the powered-up secondary node. The yellow light will blink rapidly.
3. Both devices will enter the automatic networking process. The LED turning solid green on both units indicates a successful connection.

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Video 3.4: Detailed instructions on how to add more mesh nodes to your existing DBIT Mesh Wi-Fi system using either the app or the Mesh button.

3.4. Node Placement Suggestions

Optimal placement of mesh nodes is crucial for maximizing Wi-Fi coverage. Consider your house's layout when positioning the devices. The following diagrams provide general suggestions:

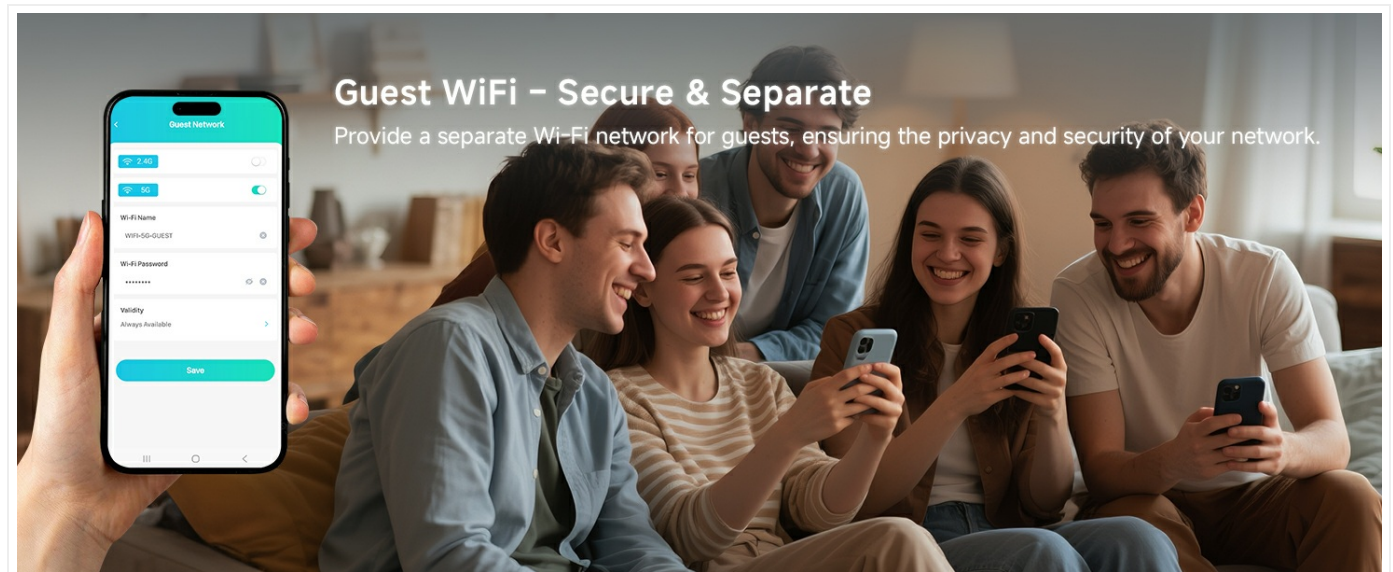


Image 3.5: Flexible Node Placement for Full Signal Coverage. This image depicts recommended mesh unit placements for different home types (one-story, two-story, three-story) to ensure comprehensive Wi-Fi coverage.

4. Operating Instructions

4.1. Wi-Fi 6 Performance

The DBIT AX1500 system delivers combined wireless speeds up to 1500Mbps (300Mbps on 2.4GHz and 1201Mbps on 5GHz). This supports high-bandwidth activities such as 4K/8K streaming, online gaming, and video calls without lag.

Whole-Home WiFi

Coverage up to 5,600 sq.ft.

Ensure drop-free wifi coverage and seamless roaming capabilities so you can move around your home on a single network.

Optional Ethernet Backhaul



2.4GHz



5GHz

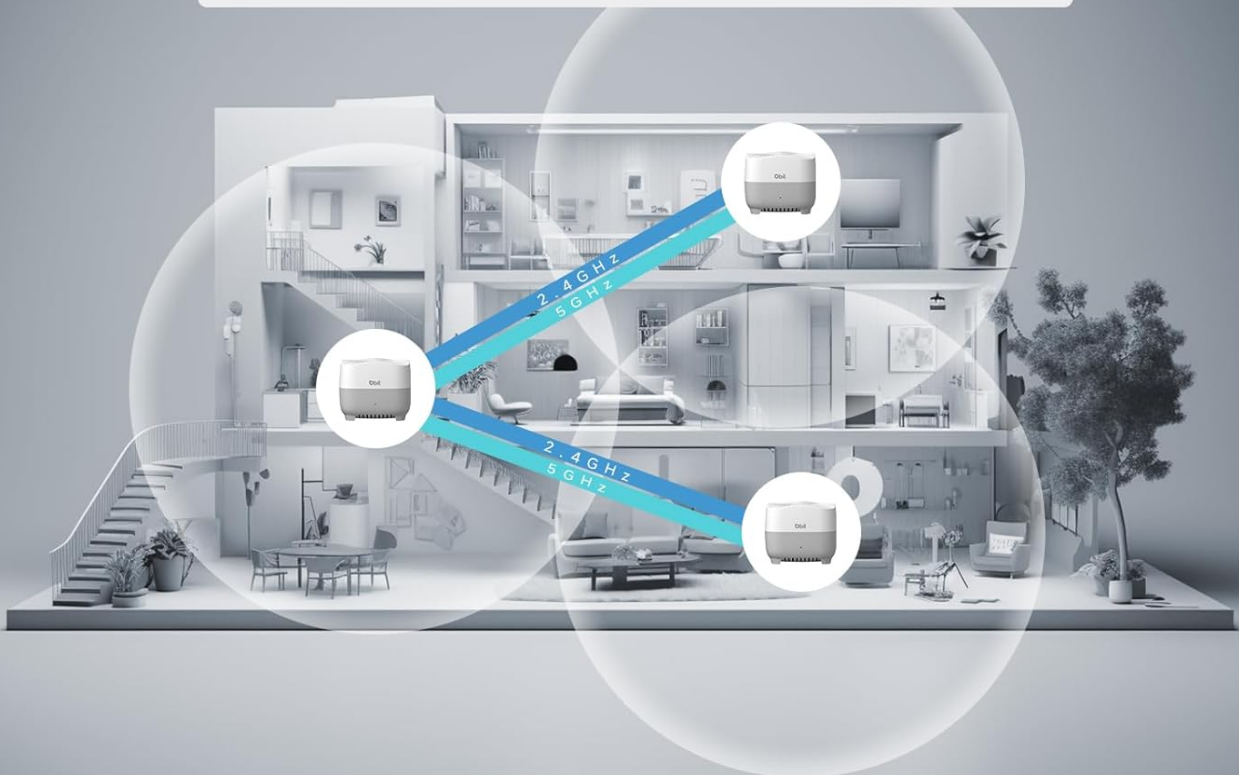


Image 4.1: AX1500 Wi-Fi 6 Mesh System Speeds. This image highlights the dual-band speeds of 1201Mbps on 5GHz and 300Mbps on 2.4GHz, suitable for streaming, gaming, and downloading.

4.2. Whole-Home Coverage and Seamless Roaming

The 3-pack system provides Wi-Fi coverage up to 5,600 sq ft, eliminating dead zones. Seamless roaming technology ensures your devices automatically switch to the node with the strongest signal as you move around your home, maintaining an uninterrupted connection.

AX1500 Wi-Fi 6 Mesh System

1500Mbps – Stream, Game, Download at Full Throttle.

5GHz

1201Mbps

2.4GHz

300Mbps

Obit

Icons: Person, 4K, Gamepad, Smartphone, Cloud, Globe

Icons: Server rack, MU-MIMO, 802.11AX

OFDMA MU-MIMO 802.11AX

Image 4.2: Whole-Home Wi-Fi Coverage. This image depicts a house with Wi-Fi signals reaching all areas, emphasizing coverage up to 5,600 sq ft and optional Ethernet backhaul.

Stay Connected. Move Freely. Bye Buffering.

As you move between mesh nodes, your devices automatically switch to the node with the better signal, keeping you seamlessly connected anywhere in your home.

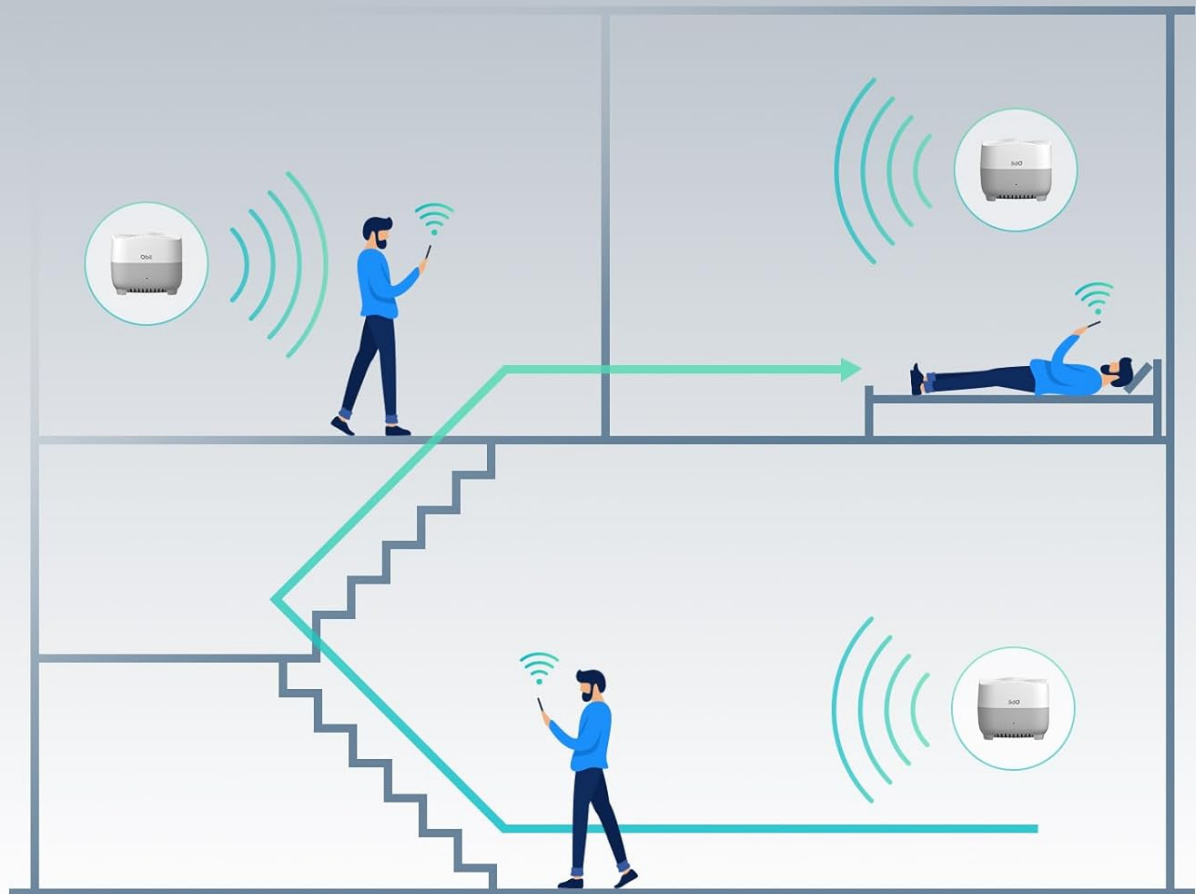


Image 4.3: Seamless Roaming. This diagram illustrates how devices stay connected without buffering as users move between mesh nodes in a multi-story home.

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Video 4.4: An overview of the DBIT Mesh WiFi System, demonstrating its whole-home coverage, seamless roaming, and high capacity for multiple devices.

4.3. High Capacity Connectivity

The system supports over 120 simultaneous connections without performance degradation, making it suitable for smart homes, offices, and gaming setups with numerous connected devices.

More Ports, Smoother Flows.

1×WAN + 3×LAN ports for more wired connections,
fully utilizing gigabit performance.

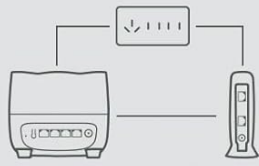


Image 4.5: Connect More Devices. This image emphasizes the system's capability to connect up to 120 devices simultaneously, maximizing network efficiency.

4.4. Gigabit Ethernet Ports

Each mesh unit includes four Gigabit Ethernet ports (1 WAN + 3 LAN) for stable wired connections. These ports are ideal for devices like smart TVs, gaming consoles, or PCs that benefit from maximum stability and speed.

Quick Setup with MU-LINK APP



1 Connect any device to your modem and power up both devices



2 Connect your phone to the device's WiFi



3 Download, install and launch the APP

4 Power on the other two devices, the APP home page shows the number of devices that can be added, and then you can start the automatic networking process.

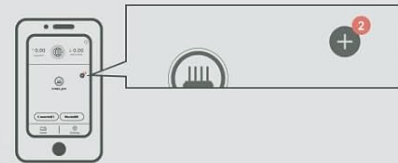


Image 4.6: More Ports, Smoother Flows. This image shows the rear of a mesh unit with four Gigabit Ethernet ports, highlighting wired connectivity options.

4.5. Advanced Network Protection

- **WPA3-SAE Encryption:** Safeguards your network against unauthorized access and cyber threats with enterprise-grade security.
- **Isolated Guest Network:** Create a separate Wi-Fi network for visitors, ensuring your main network and sensitive data remain protected.
- **Parental Controls:** Manage internet access for family members. Features include blocking harmful content, balancing screen time, and setting internet schedules.

5. Maintenance

- **Firmware Updates:** Regularly check for and install firmware updates via the MU-LINK app or web interface to ensure optimal performance, security, and access to new features.
- **Cleaning:** Keep the mesh units clean and free from dust to prevent overheating and maintain proper ventilation.

Use a soft, dry cloth for cleaning.

- **Placement:** Ensure units are placed in well-ventilated areas, away from direct sunlight, heat sources, and obstructions that could interfere with Wi-Fi signals.

6. Troubleshooting

- **No Internet Connection (LED not solid green):**
 - Ensure your modem is powered on and functioning correctly.
 - Verify that the Ethernet cable is securely connected between the modem and the mesh router's WAN/LAN port.
 - Restart both your modem and the primary mesh router.
- **Unable to Connect to Wi-Fi:**
 - Check if the mesh router is powered on and its LED is solid green.
 - Confirm you are selecting the correct SSID and entering the correct password. The default SSID and password are on the product label.
 - **Note on Default Password:** Some units may have a default password of "1-2-3-4-5-6-7-8-9" printed on the label, which should be used instead of "admin" if "admin" does not work.
- **Slow Wi-Fi Speeds or Dropped Connections:**
 - Relocate mesh nodes to optimize coverage, referring to the placement suggestions in Section 3.4.
 - Ensure there are no physical obstructions (thick walls, large metal objects) between your devices and the mesh nodes.
 - Reduce the number of active devices or bandwidth-intensive activities if experiencing consistent slowdowns.
 - Consider using Ethernet backhaul for critical devices or between mesh nodes for improved stability and speed.
- **Secondary Node Not Connecting:**
 - Ensure the secondary node's LED is flashing yellow before attempting to add it.
 - If using the app, ensure you are adding nodes sequentially.
 - If the LED does not turn solid green after attempting to add, reset the secondary node and try the process again.

7. Specifications

Feature	Detail
Model Number	D-MAX4
Brand	DBIT
Wireless Standard	802.11ac, 802.11ax (Wi-Fi 6), 802.11b, 802.11g, 802.11n
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Combined Wireless Speed	Up to 1500Mbps (300Mbps on 2.4GHz + 1201Mbps on 5GHz)
Coverage (3-Pack)	Up to 5,600 sq ft
Max Devices Supported	120+


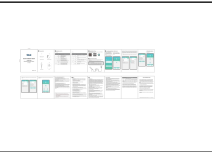

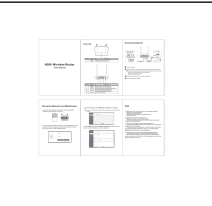
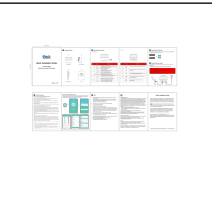
Ethernet Ports Per Unit	4 Gigabit Ports (1 WAN/LAN, 3 LAN)
Security Features	WPA3-SAE Encryption, Guest Mode, Internet Security, Parental Control
Special Features	Beamforming, Guest Mode, Internet Security, Parental Control, Seamless Roaming
Product Dimensions	5.04 x 5.04 x 4.02 inches
Item Weight	2.08 pounds
Manufacturer	Shenzhen Dbit Network Equipment Co., Ltd.

8. Warranty and Support

For warranty information and technical support, please refer to the official DBIT website or contact their customer service directly. Contact details are typically provided in the Quick Installation Guide or on the manufacturer's website.
Manufacturer: Shenzhen Dbit Network Equipment Co., Ltd.



Related Documents - D-MAX4

	<p>DBIT AC1200 Firmware Upgrade Guide</p> <p>A guide on how to upgrade the firmware for the DBIT AC1200 Dual Band WiFi Router to resolve issues such as inability to change WiFi name and password.</p>
	<p>Dbit AX1500 WiFi6 Mesh System Quick Installation Guide</p> <p>A quick installation guide for the Dbit AX1500 WiFi6 Whole Home Mesh WiFi System, detailing setup steps and app usage.</p>
	<p>DBIT X30 4G LTE Router User Manual</p> <p>User manual for the DBIT X30 4G LTE Router, providing setup instructions, product specifications, interface descriptions, indicator details, working environment guidelines, and factory reset procedures.</p>
	<p>N300 Wireless Router User Manual</p> <p>User manual for the N300 Wireless Router, providing setup instructions, connection guides, and troubleshooting tips.</p>
	<p>Dbit AC1200 Gigabit Whole Home Mesh WiFi System Quick Installation Guide</p> <p>A comprehensive guide to setting up and managing your Dbit AC1200 Gigabit Whole Home Mesh WiFi System, including wireless mesh networking via button and app, and troubleshooting common issues.</p>



[300 Mbps Wireless N Router User Manual and Quick Installation Guide](#)

User manual and quick installation guide for the Dbit 300 Mbps Wireless N Router, covering setup, FAQ, FCC compliance, and security warnings.