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› Wiflyer AX3000 Cat9 4G LTE Router (Model Z8102-M2-S) User Manual

Wiflyer Z8102-M2-S

Wiflyer AX3000 Cat9 4G LTE Router (Model Z8102-M2-S) User Manual

Comprehensive instructions for setup, operation, and maintenance.

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of your Wiflyer AX3000 Cat9 4G LTE Router, Model Z8102-M2-S. Please read this manual thoroughly before using the device to ensure proper functionality and optimal performance.



Figure 1: Wiflyer AX3000 Cat9 4G LTE Router (Model Z8102-M2-S) with multiple antennas.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Wiflyer AX3000 Cat9 4G LTE Router (Model Z8102-M2-S)
- Power Adapter
- Ethernet Cable
- User Manual (this document)

Your browser does not support the video tag.

Video 1: Unboxing and overview of the Wiflyer AX3000 WiFi 6 Router, demonstrating the contents of the package and initial setup steps.

3. HARDWARE OVERVIEW

Familiarize yourself with the ports and indicators on your router.

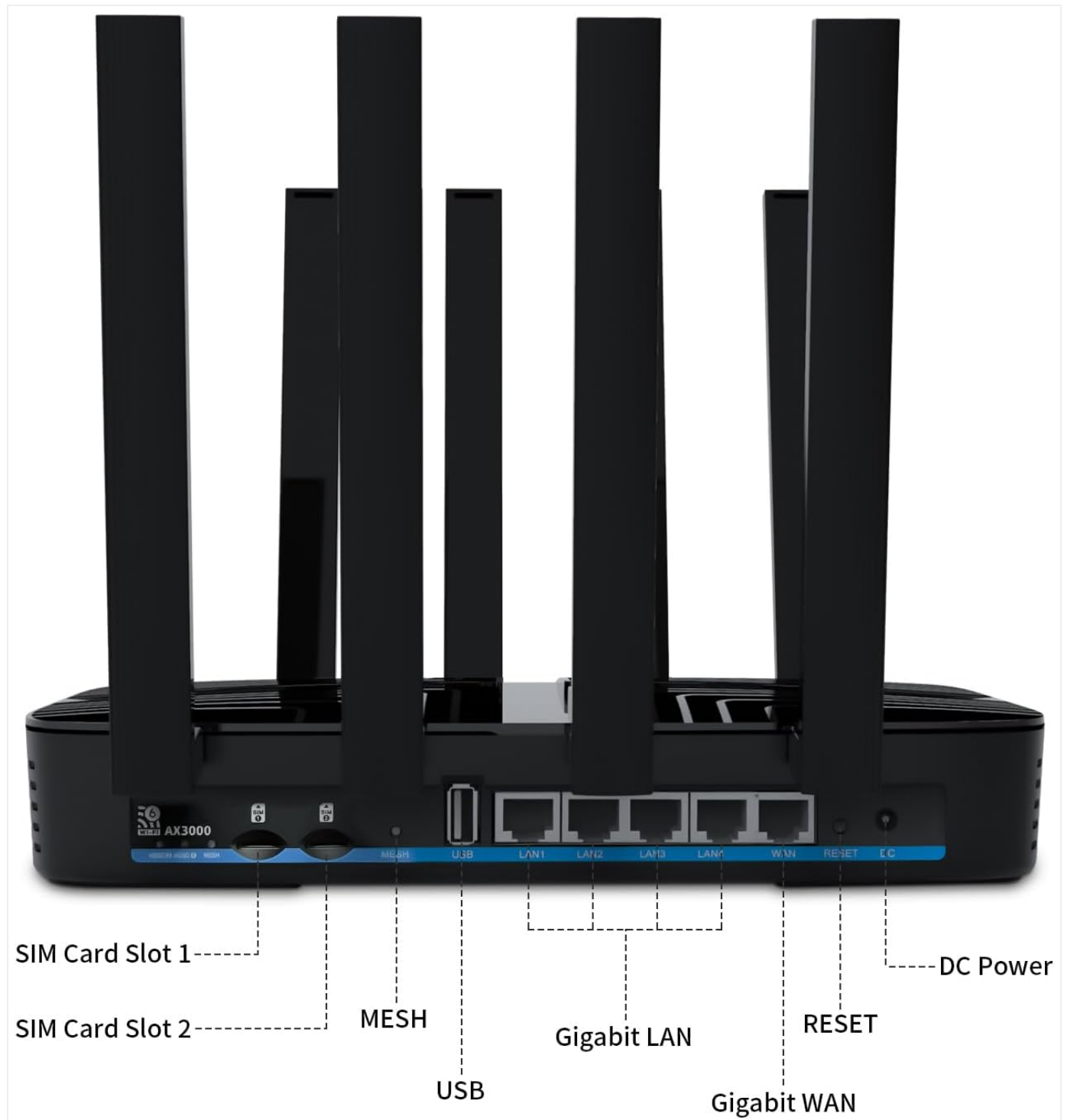


Figure 2: Rear panel of the Wiflyer AX3000 router, highlighting the dual SIM card slots, USB 3.0 port, Gigabit LAN ports, Gigabit WAN port, Reset button, and DC power input.

- **Dual SIM Card Slots:** Insert 4G LTE SIM cards for cellular internet connectivity. Supports single standby operation.
- **MESH Button:** Used for configuring Mesh networking.
- **USB 3.0 Port:** For connecting external storage devices to share multimedia files across the network.
- **LAN Ports (x4):** Gigabit Ethernet ports for wired connections to devices like computers, gaming consoles, or smart TVs.
- **WAN Port:** Gigabit Ethernet port for connecting to a traditional broadband modem (DSL/Cable/Fiber) for internet access. Supports WAN failover.

- **RESET Button:** Press and hold to restore factory default settings.
- **DC Power Input:** Connect the provided power adapter.

4. SETUP

4.1. Initial Hardware Connection

1. **Insert SIM Card(s):** Locate the dual SIM card slots on the rear panel. Gently insert your 4G LTE SIM card(s) with the chip facing down until it clicks into place. The router supports dual SIM with single standby.
2. **Connect Antennas:** Ensure all external antennas are properly attached and oriented for optimal signal reception.
3. **Power On:** Connect the provided power adapter to the DC Power Input port on the router and then plug it into a power outlet. The router will power on automatically.
4. **Observe LED Indicators:** Allow a few minutes for the router to boot up. The LED indicators on the front panel will show the status of the power, Wi-Fi, and 4G LTE connection. A solid green light typically indicates a stable connection.
5. **(Optional) Wired Connection:** For initial setup or stable connection, connect one end of the Ethernet cable to a LAN port on the router and the other end to your computer's Ethernet port.

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Video 2: APP operation guide for the Wiflyer router, demonstrating how to connect to the device's Wi-Fi, open the Zbtlink APP, enter the login password (default: admin), and configure Wi-Fi settings and Internet access (including 4G APN settings).

4.2. Network Configuration (Web Interface)

1. **Connect to Wi-Fi:** On your computer or mobile device, connect to the router's default Wi-Fi network. The default SSID (Wi-Fi name) and password are usually printed on a label on the bottom of the router.
2. **Access Web Interface:** Open a web browser and enter the default IP address (e.g., [192.168.1.1](#) or [192.168.2.1](#)) into the address bar. Refer to the label on your router for the exact IP address.
3. **Login:** Enter the default username and password. The default username is typically [admin](#) and the default password is also [admin](#). It is highly recommended to change this password immediately after your first login for security purposes.
4. **Initial Setup Wizard:** Follow the on-screen instructions of the setup wizard to configure your internet connection.
 - **Internet Connection Type:** Select "4G/LTE" if using a SIM card. You may need to enter the APN (Access Point Name) provided by your mobile carrier.
 - **Wi-Fi Settings:** Change the default Wi-Fi name (SSID) and set a strong, unique password for both 2.4GHz and 5GHz bands.
5. **Save Settings:** Apply and save all changes. The router may restart.

5. OPERATING THE ROUTER

5.1. Internet Connectivity

Your Wiflyer AX3000 router supports both 4G LTE cellular internet and traditional WAN (Ethernet) internet connections. It can also provide WAN failover, automatically switching to the cellular connection if the wired WAN connection is lost.

Wan Failover, Backup internet to keep you always online

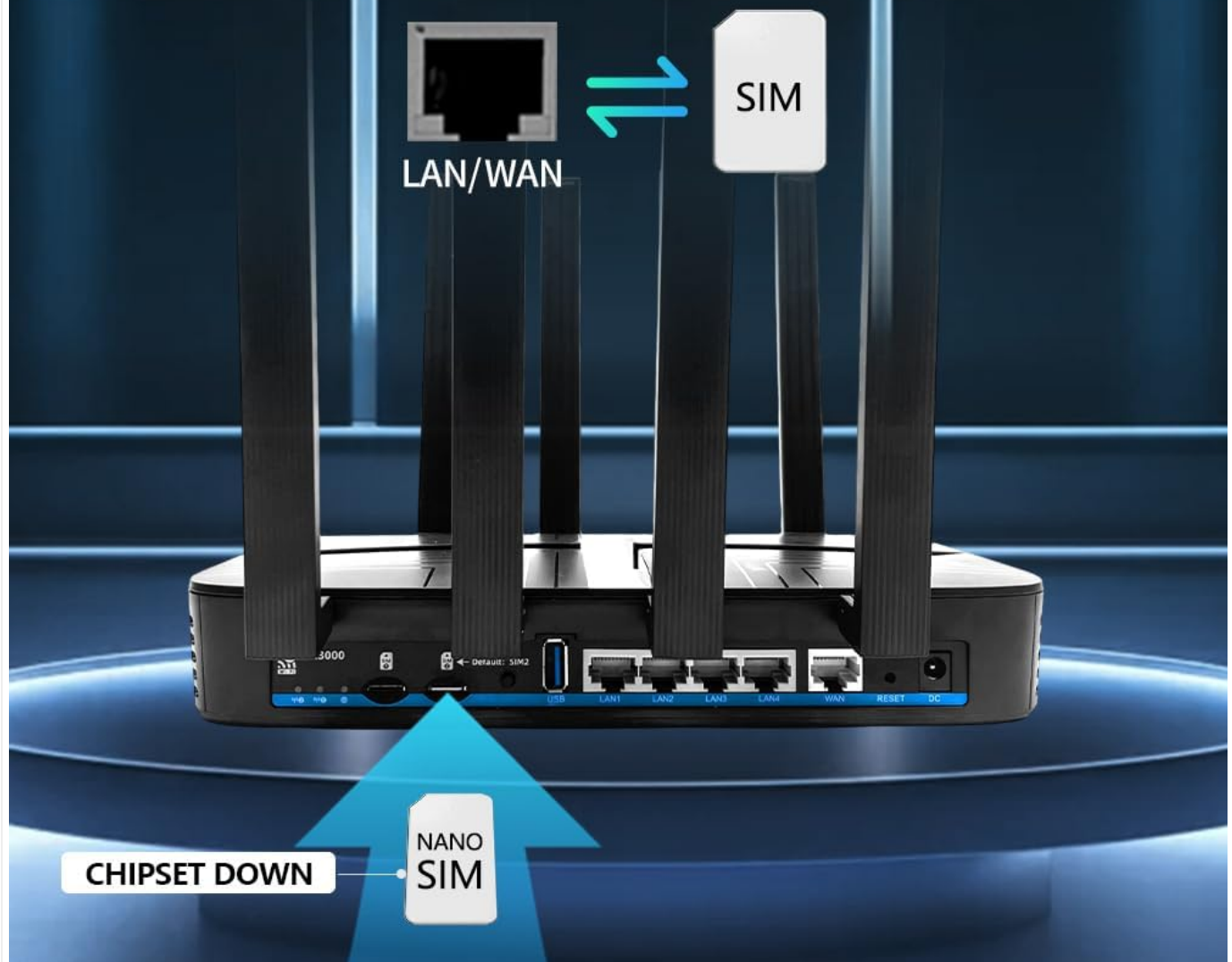


Figure 3: Diagram illustrating the WAN failover feature, allowing the router to switch between wired LAN/WAN and cellular SIM internet connections for continuous online access.

5.2. Wi-Fi 6 (AX3000) Features

The router utilizes AX3000 WiFi 6 technology for high-speed wireless connectivity across dual bands (2.4GHz and 5GHz). This includes features like 2T3R MU-MIMO for stable connections to multiple devices simultaneously.

Faster AX3000 WiFi 6

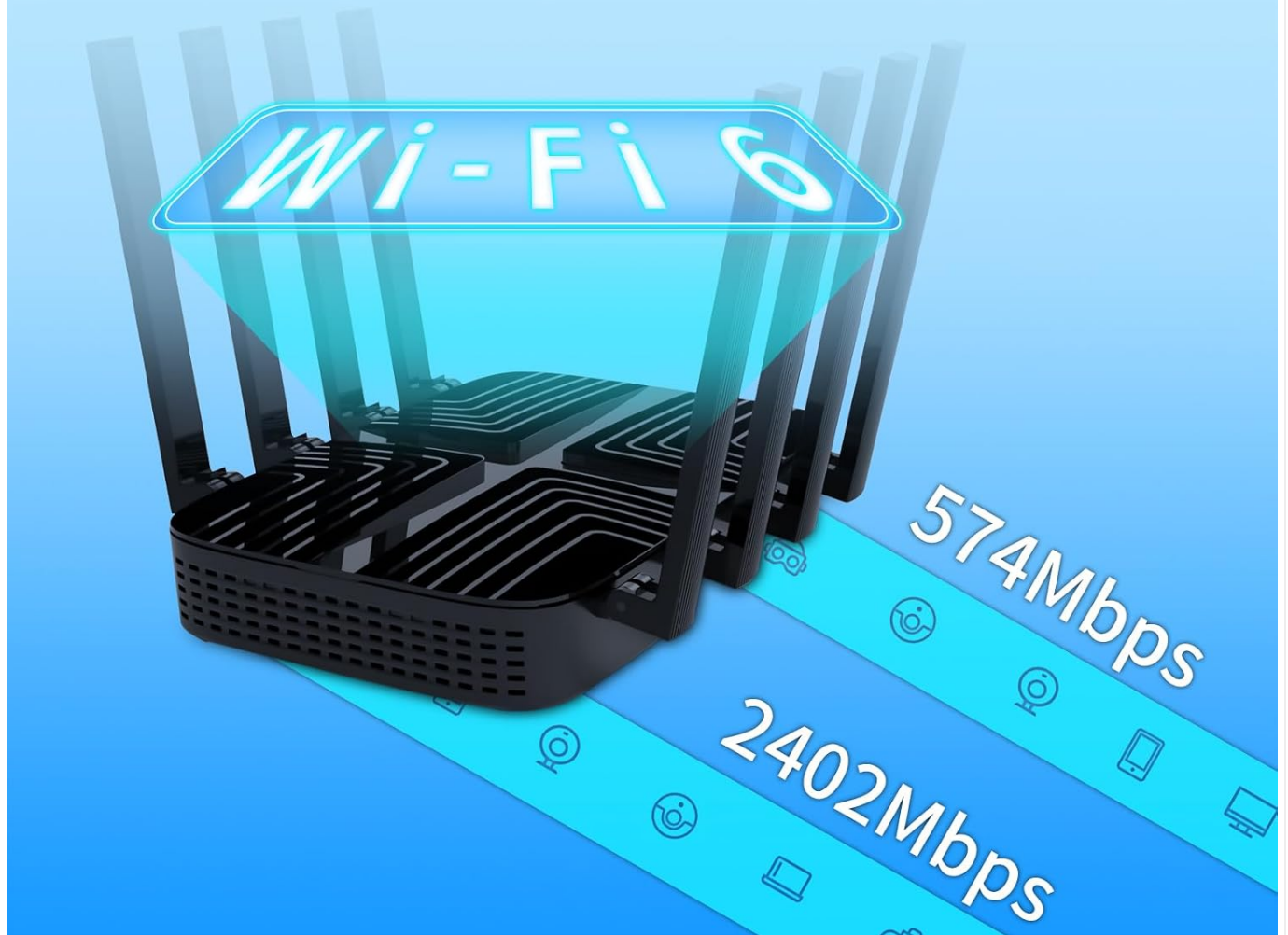


Figure 4: Visual representation of AX3000 WiFi 6 speeds, showing 574Mbps on 2.4GHz and 2402Mbps on 5GHz bands.

5.3. MESH Networking

For whole-home coverage, the router supports MESH networking. This allows you to connect multiple compatible Wiflyer devices to create a seamless Wi-Fi network throughout your home or office.

MESH For Whole-Home Coverage

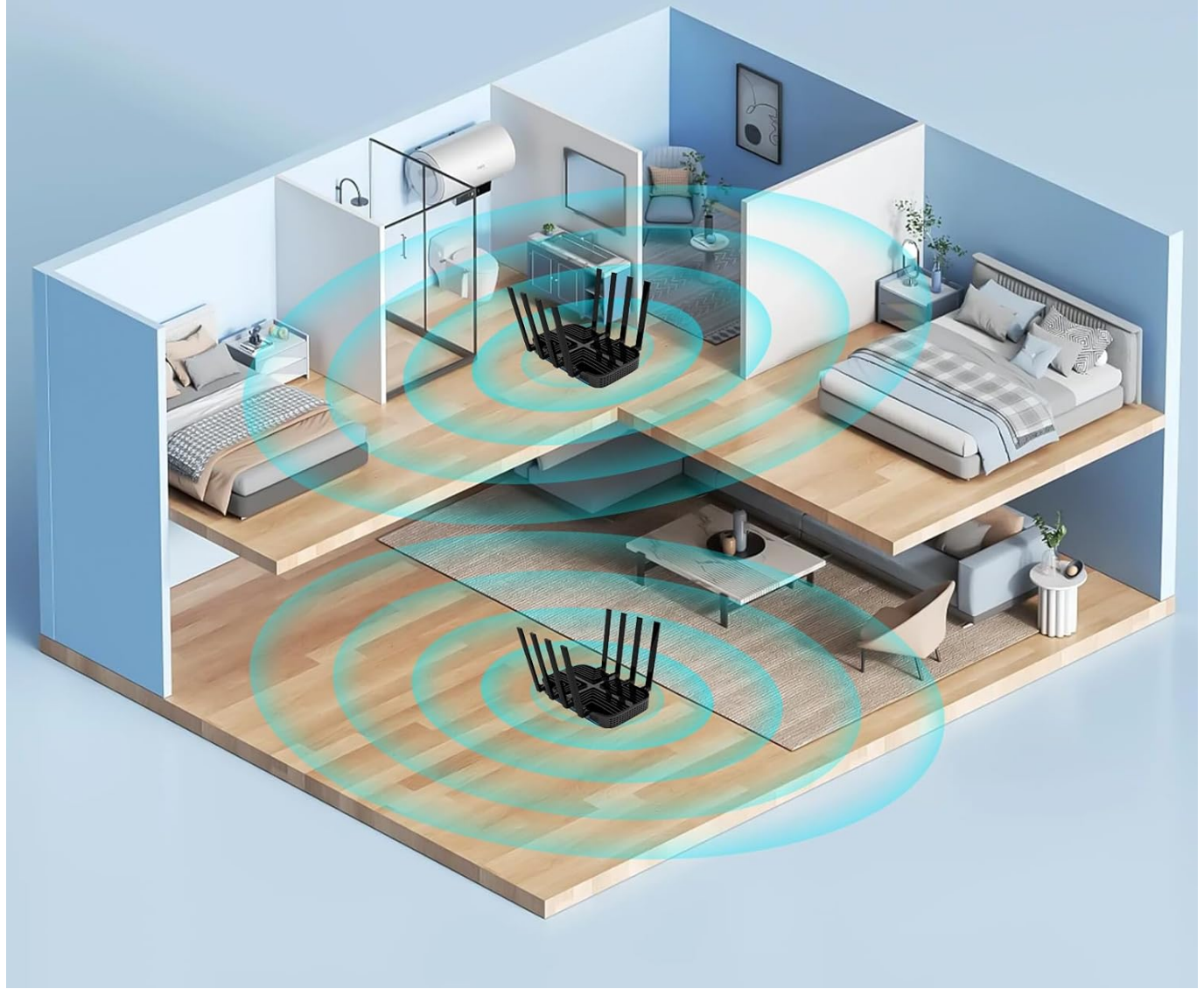


Figure 5: Diagram illustrating MESH networking for extended Wi-Fi coverage across multiple floors and rooms.

5.4. USB File Sharing

Connect a USB storage device to the USB 3.0 port to share files, photos, and videos with all connected devices on your network.

USB for Multi-media Files Sharing

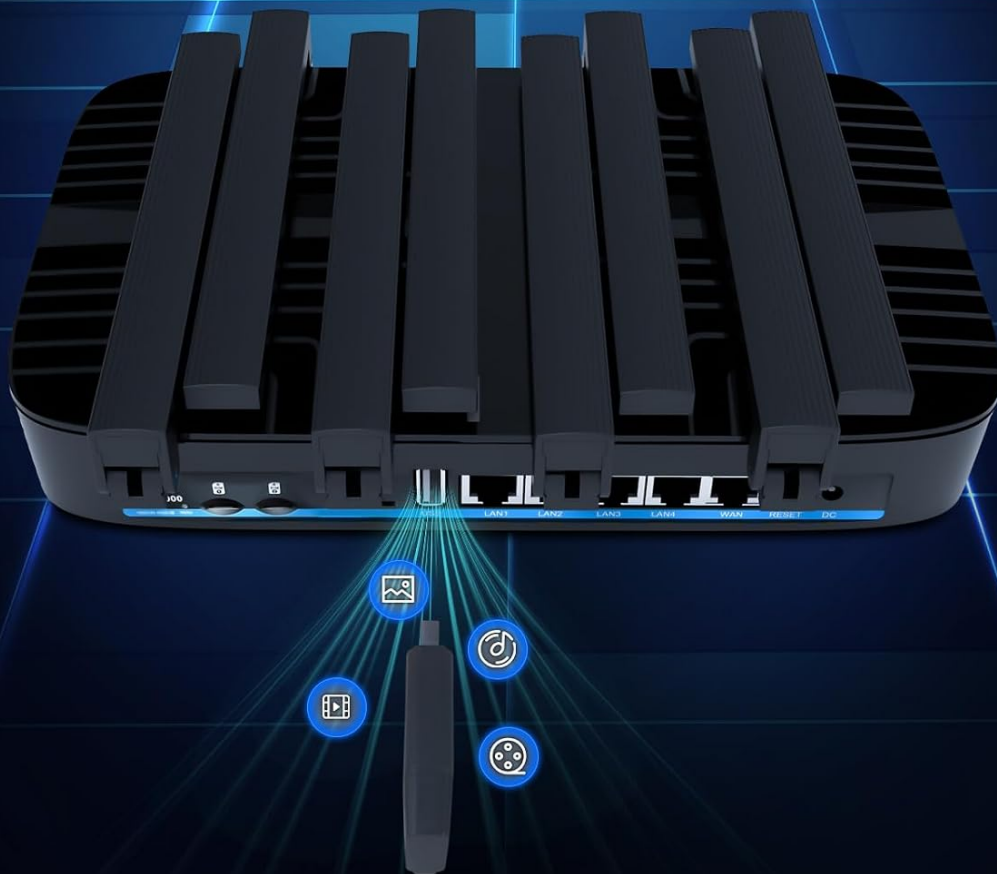


Figure 6: Illustration of the USB port's functionality for sharing multimedia files from an external drive.

6. MAINTENANCE

- **Regular Firmware Updates:** Check the router's web interface periodically for available firmware updates. Keeping your firmware up-to-date ensures optimal performance, security, and access to new features.
- **Cleanliness:** Keep the router in a clean, dust-free environment. Ensure proper ventilation to prevent overheating.
- **Secure Passwords:** Regularly change your Wi-Fi passwords and the router's administration password to maintain network security.
- **Backup Configuration:** It is recommended to back up your router's configuration settings through the web interface before performing major changes or firmware updates.

7. TROUBLESHOOTING

Problem	Possible Solution
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Problem	Possible Solution
No Internet Connection (4G LTE)	◦ Ensure SIM card is correctly inserted and activated. ◦ Verify APN settings in the router's web interface are correct for your carrier. ◦ Check cellular signal strength. ◦ Restart the router.
Cannot access router's web interface	◦ Ensure your device is connected to the router's Wi-Fi or via Ethernet. ◦ Verify the correct IP address is being used (check router label). ◦ Clear browser cache or try a different browser. ◦ Temporarily disable any VPN or firewall software.
Slow Wi-Fi Speed	◦ Relocate the router to a central location, away from obstructions and interference. ◦ Ensure devices are connected to the appropriate Wi-Fi band (5GHz for faster speeds, 2.4GHz for longer range). ◦ Check for firmware updates. ◦ Reduce the number of connected devices or enable QoS (Quality of Service) if available.
Forgot Admin Password	Perform a factory reset by pressing and holding the RESET button for 5-10 seconds. Note: This will erase all custom settings.

8. SPECIFICATIONS

- **Model:** Z8102-M2-S
- **Wi-Fi Standard:** AX3000 WiFi 6 (802.11a/b/ac/ax)
- **Frequency Band:** Dual-Band (2.4GHz, 5GHz)
- **Cellular Standard:** 4G LTE Cat9
- **Cellular Bands:** LTE: 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 38, 39, 40, 41, 66; WCDMA/3G: 1, 2, 3, 4, 5, 6, 8, 19
- **SIM Card Slots:** Dual-SIM (Single Standby)
- **Ethernet Ports:** 4x Gigabit LAN, 1x Gigabit WAN
- **USB Port:** 1x USB 3.0
- **Antennas:** 5dBi High Gain Antennas (4G cellular antenna*2, 2.4G WiFi antenna*2, 5.8G WiFi antenna*2)
- **Dimensions:** 9.84 x 6.3 x 1.65 inches
- **Weight:** 2.23 pounds
- **Special Features:** TTL support, MAC White/Blacklist, Ad Blocking, WPA/WPA2 encryption, Band Locking, MESH support.

9. SUPPORT

For technical assistance, warranty information, or further inquiries, please contact Wiflyer customer support through their official channels. Refer to the product packaging or official website for the most up-to-date contact information.

Important Note: Please reset the router if you cannot change and save the Wi-Fi password or other information on the

operating system.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question