

[Manuals.plus](#) /

› [Wiflyer](#) /

› Wiflyer AX1800 4G LTE WiFi 6 Router User Manual

Wiflyer Z2101AX-E

Wiflyer AX1800 4G LTE WiFi 6 Router User Manual

Model: Z2101AX-E

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of your Wiflyer AX1800 4G LTE WiFi 6 Router. Please read this manual thoroughly before using the device to ensure proper functionality and optimal performance. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Wiflyer AX1800 4G LTE WiFi 6 Router is a high-performance networking device designed to provide reliable internet connectivity via 4G LTE and high-speed Wi-Fi 6. It features dual-band operation, Gigabit Ethernet ports, and an unlocked SIM card slot, making it suitable for various environments including homes, RVs, and remote sites.

2.1. Package Contents

- Wiflyer AX1800 4G LTE WiFi 6 Router
- Power Adapter
- Ethernet Cable
- User Manual (this document)
- SIM Card Adapter (3-in-1)

2.2. Hardware Components

Familiarize yourself with the router's ports and indicators:



Image: Rear view of the Wiflyer AX1800 router. Labels indicate (1) Mesh button, (2) 3 Gigabit LAN ports, (3) Gigabit WAN port, (4) Unlocked SIM Card Slot, and (5) DC Power input.



Image: Front view of the Wiflyer AX1800 router, displaying multiple antennas and LED status indicators.

3. SETUP GUIDE

3.1. SIM Card Installation

1. Ensure the router is powered off.
2. Locate the SIM card slot on the rear panel of the router.
3. If your SIM card is smaller than a standard SIM, use the provided SIM card adapter to fit it correctly.
4. Insert the SIM card into the slot with the metal contacts facing down, until it clicks into place. If you hear a sound, it indicates proper insertion. If not, try re-orienting the SIM card.

Large Signal Coverage

6* High Gain Omni Antennas

Scientific Antenna Layout, compared to normal antennas, our antennas have stronger ability of through-wall and more stable.



Image: Illustration demonstrating the correct method for inserting a SIM card into the router's dedicated slot.

3.2. Powering On the Router

1. Connect the power adapter to the DC Power input port on the router.
2. Plug the other end of the power adapter into a standard electrical outlet.
3. The router will automatically power on. Wait for the LED indicators on the front panel to stabilize, which typically takes a few minutes.

3.3. Initial Access and Configuration

1. Connect to the Router:

- **Via Wi-Fi:** On your computer or mobile device, search for the default Wi-Fi network name (SSID) printed on the label at the bottom of the router. Connect using the default Wi-Fi password (also on the label).
- **Via Ethernet:** Connect an Ethernet cable from one of the router's LAN ports to your computer's Ethernet port.

2. **Access Web Interface:** Open a web browser and enter the default IP address (e.g., 192.168.1.1) into the address bar. The default IP address, username, and password are usually printed on the router's label.

3. **Login:** Enter the default username and password when prompted. It is highly recommended to change these credentials immediately for security purposes.
4. **Initial Setup Wizard:** Follow the on-screen instructions of the setup wizard to configure basic settings such as time zone, new Wi-Fi name (SSID), and password.

4. OPERATING INSTRUCTIONS

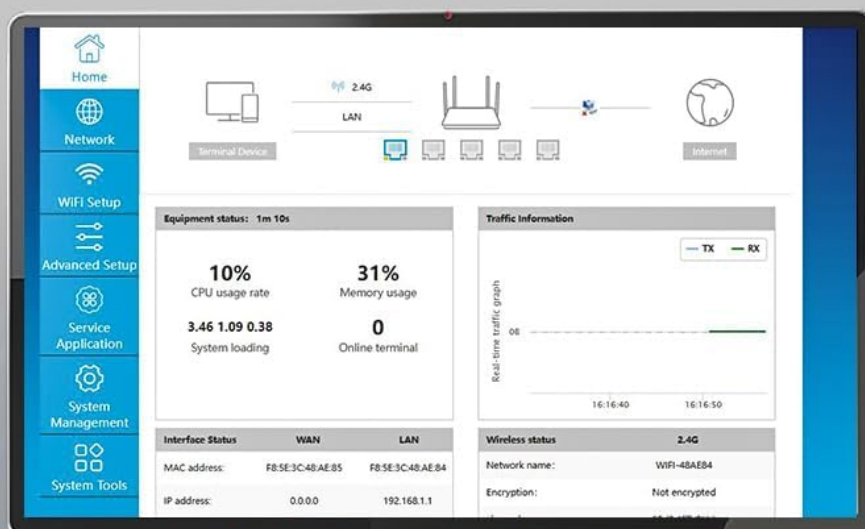
4.1. Connecting Devices

- **Wi-Fi Devices:** Search for your configured Wi-Fi network name (SSID) on your device and enter the Wi-Fi password.
- **Wired Devices:** Connect devices such as computers, gaming consoles, or smart TVs to the router's LAN ports using Ethernet cables.

4.2. Network Management

The router's web interface allows you to manage various network settings. Access it by entering the router's IP address in a web browser and logging in with your credentials.

Ad Blocking functions and high end encryption protect your network safety
You could also monitor network guest and manage their access authority



manage your network

AD blocking



Image: A screenshot of the router's web-based management interface, illustrating options for network monitoring, security settings, and guest access management. This interface includes features like AD blocking and network guest management.

Key management features include:

- **Wi-Fi Settings:** Change SSID, password, security type, and channel.
- **Network Status:** View connected devices, internet connection status, and data usage.
- **Security Settings:** Configure firewall rules, port forwarding, and VPN settings.
- **Parental Controls:** Manage internet access for specific devices.
- **Firmware Upgrade:** Update the router's software for improved performance and security.

5. KEY FEATURES

5.1. WiFi 6 Technology (802.11ax)

The router incorporates WiFi 6 technology, offering enhanced speed, capacity, and efficiency compared to previous Wi-Fi standards. This includes:

- **Higher Speeds:** Up to 1800Mbps combined speed (1200Mbps on 5GHz, 574Mbps on 2.4GHz).
- **MU-MIMO:** Allows the router to communicate with multiple devices simultaneously, improving overall network efficiency.
- **OFDMA:** Enhances efficiency by allowing multiple devices to share a single channel, reducing latency.
- **Increased Device Capacity:** Supports stable connections for up to 64 devices.

Faster Dual Band WiFi 6

Adopt independent WiFi6 Chips / MIPS Dual Core CPU

AMAZING 1.8GBPS SPEED FOR FASTER INTERNET ACCESS.



Image: The Wiflyer AX1800 router highlighting its faster dual-band WiFi 6 capabilities, powered by independent WiFi 6 chips and a MIPS Dual Core CPU for speeds up to 1.8Gbps.

5.2. Dual-Band Operation

The router operates on both 2.4GHz and 5GHz frequency bands, providing flexibility and optimized performance:

- **2.4GHz Band:** Offers wider coverage and better penetration through walls, suitable for devices further away.
- **5GHz Band:** Provides faster speeds and lower latency, ideal for bandwidth-intensive activities like streaming and gaming, especially for devices closer to the router.

5.3. 4G LTE Connectivity

With an unlocked SIM card slot, the router can utilize 4G LTE networks to provide internet access, making it suitable for locations without traditional wired broadband or as a backup internet solution.

5.4. Gigabit Ethernet Ports

Equipped with three Gigabit LAN ports and one Gigabit WAN port, the router supports high-speed wired connections for devices requiring maximum stability and performance.

5.5. Mesh Capability

The router supports wired or wireless mesh networking, allowing you to extend Wi-Fi coverage throughout larger areas by adding compatible mesh units.

Wired or wireless mesh enables to cover your whole house with wifi.

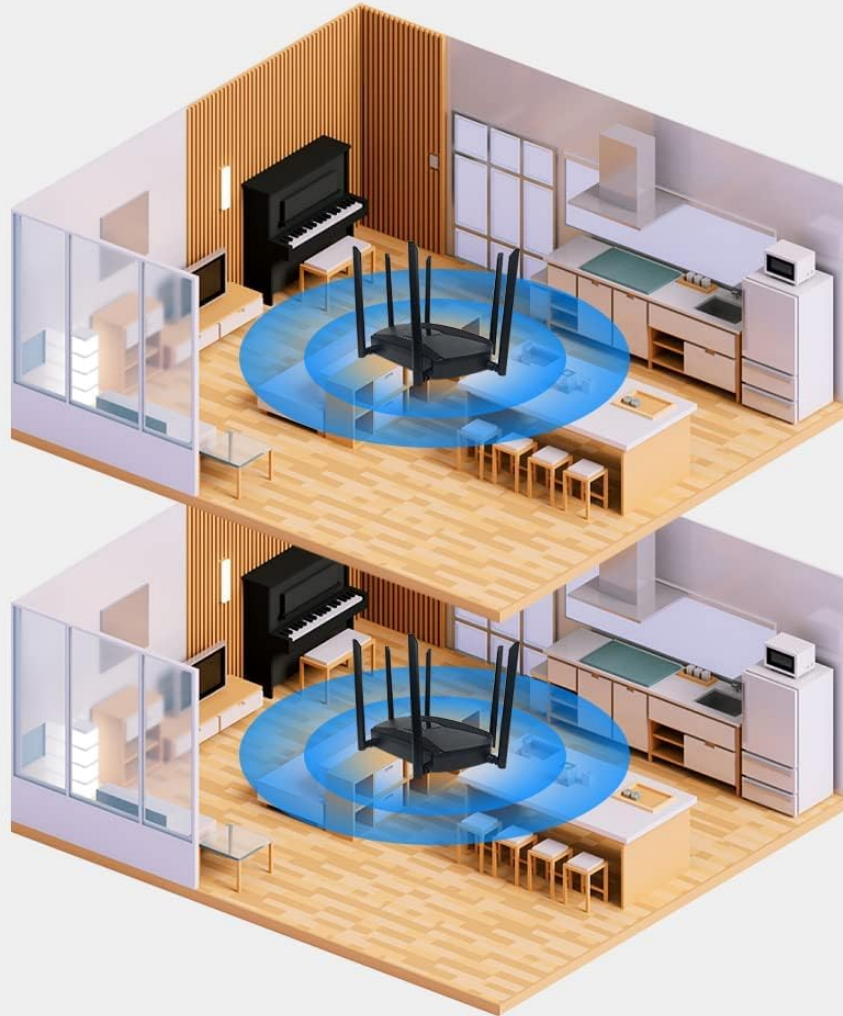


Image: A visual representation of how wired or wireless mesh technology can extend Wi-Fi coverage across an entire home, ensuring consistent signal strength.

5.6. High Gain Omni Antennas

The router features six high-gain omnidirectional antennas designed for improved signal strength and wider coverage, enhancing through-wall penetration and connection stability.



Image: The Wiflyer AX1800 router demonstrating its large signal coverage capability, attributed to its six high-gain omni antennas and scientific antenna layout for stronger, more stable signals through obstacles.

6. SPECIFICATIONS

Feature	Description
Brand	Wiflyer
Model Name	Z2101AX-E
Product Dimensions	9.45 x 5.91 x 1.26 inches
Item Weight	1.54 pounds
Connectivity Technology	3G, 4G LTE
Wireless Communication Standard	802.11ax (WiFi 6)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)

Ethernet Ports	3 Gigabit LAN, 1 Gigabit WAN
Special Feature	4G router with unlocked SIM card slot
Compatible Devices	Phones, iPads, Laptops, Computers, Smart Home Devices
Recommended Uses	Home, RV, Vacation House, Remote Area, Business Trip, Rural Area, Farm
Included Components	Router, Power Adapter, Ethernet Cable, User Manual, SIM Card Adapter

7. TROUBLESHOOTING

7.1. No Internet Connection

- **Check SIM Card:** Ensure the SIM card is correctly inserted and activated with a data plan.
- **Check Signal Strength:** Verify the 4G LTE signal strength indicators on the router or in the web interface. Relocate the router if the signal is weak.
- **Reboot Router:** Power off the router, wait 10 seconds, then power it back on.
- **Check APN Settings:** In the web interface, verify that the Access Point Name (APN) settings match those provided by your mobile carrier.

7.2. Slow Wi-Fi Speeds

- **Interference:** Move the router away from other electronic devices that may cause interference (e.g., microwaves, cordless phones).
- **Channel Congestion:** In the web interface, try changing the Wi-Fi channel for both 2.4GHz and 5GHz bands to a less congested one.
- **Distance and Obstacles:** Ensure devices are within optimal range of the router and minimize physical obstructions.
- **Number of Devices:** Too many devices connected simultaneously can reduce speed.

7.3. Cannot Access Web Interface

- **IP Address:** Confirm you are using the correct IP address (e.g., 192.168.1.1).
- **Connection:** Ensure your device is connected to the router via Wi-Fi or Ethernet.
- **Browser Cache:** Clear your web browser's cache and cookies, or try a different browser.
- **Firewall/Antivirus:** Temporarily disable any firewall or antivirus software on your computer that might be blocking access.

8. MAINTENANCE

- **Regular Reboots:** Periodically reboot the router (e.g., once a month) to clear its memory and refresh network connections.
- **Firmware Updates:** Check the Wiflyer official website for the latest firmware updates. Updating firmware can improve performance, add new features, and fix security vulnerabilities. Follow the instructions provided with the firmware update carefully.
- **Physical Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation holes are not blocked.
- **Optimal Placement:** Place the router in a central location, away from obstructions and heat sources, to maximize Wi-Fi coverage and performance.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Wiflyer website. You may also contact customer support through the vendor from whom you purchased the device.

© 2024 Wiflyer. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B0B6VNV764>

More documents and user manuals: <https://manuals.plus/>