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Zbtlink WE2008-C

Zbtlink 4G LTE Router User Manual

Model: WE2008-C



1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Zbtlink 4G LTE Router (Model: WE2008-C). This device is designed to provide reliable wireless internet access using a SIM card, offering flexibility for various environments such as homes, RVs, and camping.



Figure 1: Zbtlink 4G LTE Router (Model: WE2008-C)

The Zbtlink 4G LTE Router is a compact black device featuring four external high-gain antennas for enhanced signal reception and transmission. It is designed for easy integration into various network setups.

Key Features:

- **High Performance WiFi Experience:** Supports 4G mode and router mode, with 4G LTE download speeds up to 150Mbps and 2.4G WiFi speeds up to 300Mbps.
- **Wide Frequency Band Support:** Compatible with various LTE bands including B2/3/4/5/7/8/12/13/17/25/26/4.
- **Stronger & Stable Signal:** Equipped with four high-gain antennas for improved signal quality and transmission.
- **Unlock Full Speeds (TTL Mode):** Features TTL mode to disguise router traffic, preventing carrier throttling.
- **Advanced Security:** Includes MAC White/Blacklist, Ad Blocking, WPA/WPA2, WPA(AES) encryption, and network guest monitoring.
- **Flexible Connectivity:** One 100Mbps WAN/LAN port for versatile network connections.

2. PACKAGE CONTENTS

Before you begin, please ensure all items are present in your package:

- Zbtlink 4G LTE Router (WE2008-C)
- User Manual
- Power Adapter

3. SETUP GUIDE

Follow these steps to set up your Zbtlink 4G LTE Router:

3.1. Hardware Installation

1. **Insert SIM Card:** Locate the SIM card slot on the router. Insert your Nano SIM card into the slot until it clicks into place. Ensure the SIM card is correctly oriented.



Figure 2: Router Ports and SIM Slot

This image highlights the rear panel of the router, showing the SIM card slot for Nano SIMs, the LAN/WAN port, the Reset button, and the DC power input. This is where you will insert your SIM card and connect the power adapter.

2. **Connect Power Adapter:** Connect the provided power adapter to the DC port on the router and then plug it into a power outlet. The router will power on automatically.
3. **Antenna Connection:** Ensure all four high-gain antennas are securely screwed into their respective ports on

the router.

3.2. Initial Connection & Configuration

Once powered on, the router will attempt to establish a 4G LTE connection. You can connect to the router via Wi-Fi or Ethernet.

1. Connect via Wi-Fi:

- On your device (smartphone, laptop), search for available Wi-Fi networks.
- Select the Wi-Fi network name (SSID) broadcast by the router. The default SSID and password are usually found on a sticker on the bottom of the router.
- Enter the default Wi-Fi password to connect.

2. Connect via Ethernet:

- Connect an Ethernet cable from the WAN/LAN port on the router to your computer's Ethernet port.



Figure 3: Easy Setup Steps

This visual guide illustrates the three simple steps for initial setup: inserting the SIM card, powering on the router, and connecting your device. Further instructions for detailed setup are provided in the manual.

3.3. Accessing Router Management Interface

To configure advanced settings, access the router's web management interface:

1. Open a web browser (e.g., Chrome, Firefox).
2. In the address bar, type the default IP address of the router (usually 192.168.1.1 or similar, check the sticker on the router) and press Enter.
3. Enter the default username and password (usually admin for both, check the sticker).



Figure 4: Router Management Interface Access

This image shows a user accessing the router's configuration page on a desktop computer, demonstrating the process of managing network settings and features.

3.4. Important APN Settings

For stable network performance, it is recommended to manually configure the APN (Access Point Name) settings. You can find this option under "3/4/5G" in the "Network" section of the management interface.

Common APN examples:

- **T-Mobile:** fast.t-mobile.com or epc.tmobile.com
- **AT&T:** phone or broadband
- **Verizon:** internet
- **US Cellular:** internet
- **Boost Mobile:** Boost Mobile
- **Virgin Mobile:** sprint
- **MTN:** web.gprs.mtnnigeria.net
- **Airtel:** internet.ng.airtel.com
- And many more specific to regions and carriers. Consult your SIM card provider for the correct APN.

4. OPERATING INSTRUCTIONS

Your Zbtlink router offers flexible operating modes and features to optimize your internet experience.

4.1. Operating Modes

The router supports two primary operating modes:

- **4G Router Mode:** The router uses a 4G Nano SIM card to provide internet access, distributing it via Wi-Fi and the LAN port. This is ideal for mobile use, RVs, camping, or areas without traditional broadband.

4G Router Mode



Figure 5: 4G Router Mode

This diagram shows how the router functions in 4G Router Mode, utilizing a 4G Nano SIM card to provide wireless internet to devices like smartphones and laptops, and wired internet to devices such as smart TVs.

- **Broadband Mode (Router Mode):** The router can connect to an existing modem via its WAN/LAN port, functioning as a standard Wi-Fi router to distribute internet from a wired broadband connection.

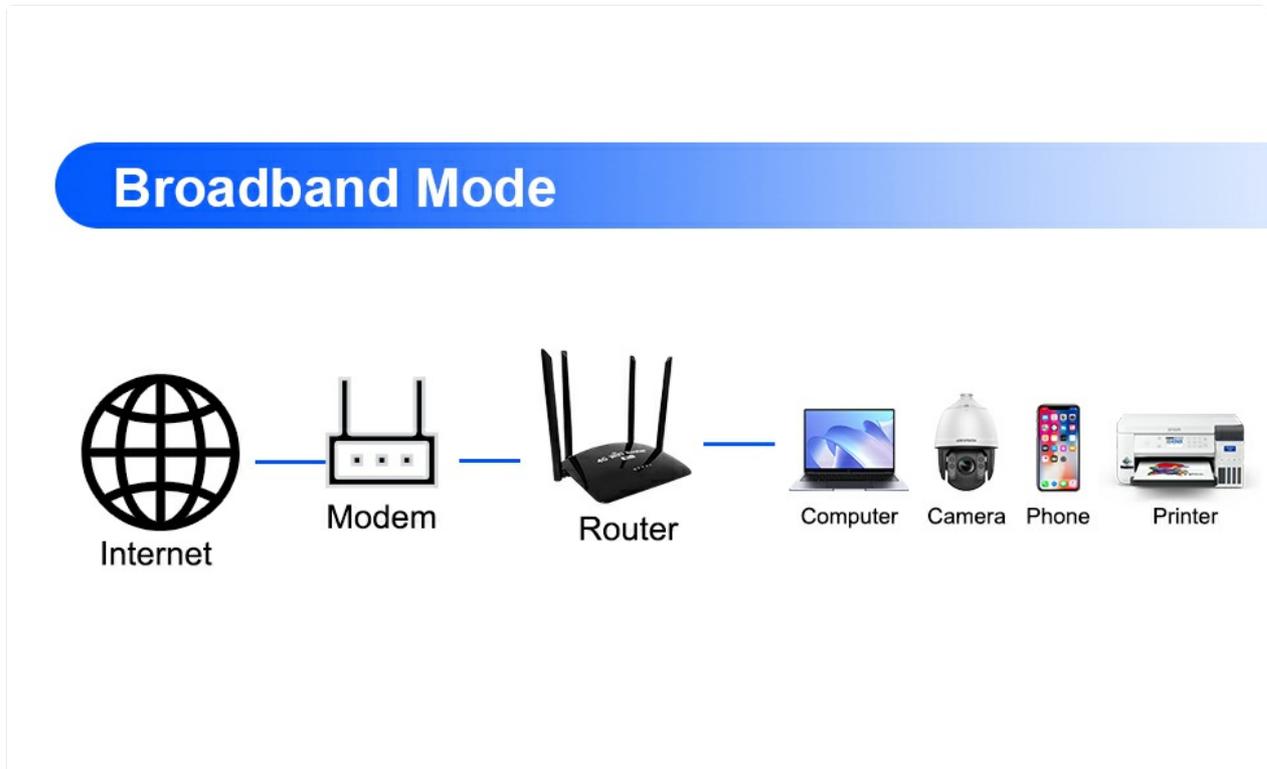


Figure 6: Broadband Mode

This diagram illustrates the router operating in Broadband Mode, where it connects to an existing modem and then distributes internet to various devices including computers, security cameras, phones, and printers.

4.2. Network Performance

The router provides a 2.4GHz Wi-Fi network with speeds up to 300Mbps and supports 4G LTE download speeds up

to 150Mbps.



Figure 7: Internet Router Rate

This image highlights the router's 2.4GHz Wi-Fi capability, delivering speeds up to 300Mbps for connected devices.



Figure 8: 4G LTE and Ethernet Speeds

This diagram visually represents the router's performance, showing 4G LTE speeds of up to 150Mbps download and 50Mbps upload, alongside 2.4GHz Wi-Fi speeds of 300Mbps for connected devices.

4.3. Advanced Features

- **TTL Mode:** Activate TTL (Time To Live) mode in the router settings to disguise your router's traffic as regular phone data. This can help prevent mobile carriers from detecting and throttling your hotspot usage, allowing for uninterrupted streaming and downloading.
- **Security Features:**
 - **MAC White/Blacklist:** Control which devices can connect to your network based on their MAC addresses.
 - **Ad Blocking:** Enhance your browsing experience by blocking unwanted advertisements.
 - **Encryption:** Supports WPA/WPA2 and WPA(AES) for robust wireless security.
 - **Network Guest Monitoring:** Monitor and manage access for guest users on your network.

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



Figure 9: Ad Blocking and Network Management

This image displays a section of the router's web interface, highlighting features such as Ad Blocking and tools for monitoring and managing network guests and their access permissions, enhancing network security.



Figure 10: Enhanced Network Security

This visual emphasizes the router's advanced security features, symbolized by a protective shield over a tablet, ensuring a safe and secure network environment.

- **Parental Controls:** Manage and restrict internet access for specific devices or users, ensuring a safe online

environment for children.



Figure 11: Parental Controls

This image illustrates the Parental Controls feature, allowing users to manage and monitor internet usage for family members, particularly children, ensuring a safe online experience.

4.4. Use Cases

The Zbtlink 4G LTE Router is versatile and suitable for various scenarios:

- **Home Use:** As a primary internet source or a backup for wired broadband.
- **RV & Camping:** Provides portable internet access for recreational vehicles and outdoor adventures.
- **Rural Areas:** Ideal for locations where traditional broadband is unavailable or unreliable.
- **Business:** Suitable for small offices or temporary setups requiring mobile internet.

Take Wifi Everywhere You Go



Figure 12: Take WiFi Everywhere You Go

This collage demonstrates the router's versatility, showcasing its use in various environments such as a home office, a business meeting, an RV during camping, and a suburban residence, highlighting its portability and adaptability.

5. MAINTENANCE

To ensure optimal performance and longevity of your Zbtlink 4G LTE Router, follow these maintenance guidelines:

- **Keep Clean:** Regularly wipe the router with a soft, dry cloth to remove dust. Avoid using liquid cleaners.
- **Ventilation:** Ensure the router is placed in a well-ventilated area to prevent overheating. Do not cover ventilation holes.
- **Firmware Updates:** Periodically check the manufacturer's website or the router's management interface for firmware updates. Keeping the firmware updated can improve performance, security, and add new features.
- **Power Cycle:** If you experience minor issues, try power cycling the router (unplug from power, wait 10 seconds, then plug back in).
- **Protect from Elements:** Keep the router away from direct sunlight, excessive heat, moisture, and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Zbtlink 4G LTE Router, refer to the following common problems and solutions:

6.1. No Internet Connection / Dropping Connections

- **Check SIM Card:** Ensure the SIM card is correctly inserted and activated with a data plan.
- **Verify APN Settings:** As mentioned in Section 3.4, incorrect APN settings are a common cause of connectivity issues. Access the router's management interface (Network > 3/4/5G) and manually enter the correct APN for your carrier.
- **Network Watchdog (Advanced Setup):** If the router frequently drops connections, navigate to "Advanced Setup" in the management interface and find "Network watchdog". Set "execute action" to "no action". This can prevent the router from unnecessarily resetting its connection.
- **Signal Strength:** Check the 4G signal strength indicator on the router or in the management interface. If the signal is weak, try repositioning the router or adjusting the antennas.
- **Power Cycle:** Unplug the router's power adapter, wait for 10 seconds, and then plug it back in. Allow a few minutes for the router to restart and reconnect.

6.2. Slow Speeds

- **Signal Strength:** Ensure good 4G signal strength.
- **Interference:** Move the router away from other electronic devices that might cause interference (e.g., cordless phones, microwaves).
- **Network Congestion:** If many devices are connected or heavy data usage is occurring, speeds may be reduced.
- **Carrier Throttling:** Ensure TTL mode is enabled if your carrier is known to throttle hotspot data.

6.3. Cannot Access Router Management Interface

- **IP Address:** Double-check that you are entering the correct IP address (e.g., 192.168.1.1).
- **Network Connection:** Ensure your device is connected to the router's Wi-Fi or via an Ethernet cable.
- **Firewall/Antivirus:** Temporarily disable any firewall or antivirus software on your computer that might be blocking access.
- **Reset Router:** If all else fails, perform a factory reset. Locate the reset button (often a small pinhole, see Figure 2) and press and hold it for about 10 seconds with a paperclip until the lights flash. **Warning:** This will erase all custom settings, and the router will revert to factory defaults.

7. SPECIFICATIONS

Feature	Detail
Brand	Zbtlink
Model Name	WE2008-C
Item Model Number	4G single band
Product Dimensions	9.84 x 6.3 x 1.65 inches
Item Weight	14.7 ounces
Connectivity Technology	Wi-Fi, Ethernet, LTE
Wireless Communication Standard	802.11ax, 802.11b, 802.11a, 802.11g, 802.11ac

Frequency Band Class	Single-Band (2.4 GHz)
Max Wireless Speed	300Mbps (2.4GHz WiFi)
Max 4G LTE Speed	150Mbps (Download)
WAN/LAN Ports	1 x 100Mbps WAN/LAN
Antennas	4 High Gain Antennas
Compatible Devices	Security Camera, Personal Computer, Tablet, Printer, Smartphone
Recommended Uses	For North America, RV, Rural area, Home, Business
Country of Origin	China
Date First Available	October 30, 2024

8. WARRANTY AND SUPPORT

Your Zbtlink 4G LTE Router comes with a **1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact Zbtlink customer service through the retailer where you purchased the product or visit the official Zbtlink website for contact information.

Note: The package includes the router, user manual, and power adapter. Ensure all components are present upon unboxing.

