

## ZTE MC888

# ZTE MC888 5G Indoor CPE Router User Manual

Model: MC888

## 1. PRODUCT OVERVIEW

The ZTE MC888 is a high-performance 5G Indoor Customer Premises Equipment (CPE) router designed to provide fast and reliable internet connectivity for home environments. It integrates advanced 5G technology with Wi-Fi 6 capabilities, offering high-speed data transfer and extensive coverage.

Key features include:

- Next-generation Qualcomm X62 chip for robust performance.
- High-speed Wi-Fi 6 with a maximum upstream data transfer rate of 3600 Mbps.
- Up to 2.8 Gbps download speed (5G + LTE EN-DC).
- Integrated high-performance antenna (up to 10 dBi) for excellent indoor coverage.
- Two Gigabit Ethernet (GE) RJ45 ports for WAN/LAN connectivity.
- One RJ11 port for voice services.
- WPA3 security protocol for enhanced network protection.

## 2. PACKAGE CONTENTS

Before you begin, please check the package contents. If any items are missing or damaged, contact your retailer.

- ZTE MC888 5G Indoor CPE Router
- Power Adapter

## 3. DEVICE LAYOUT

Familiarize yourself with the ports, buttons, and indicators on your ZTE MC888 router.



Image: Front and rear view of the ZTE MC888 router, showing LED indicators on the front and ports (Phone, LAN, Power) on the rear.



Image: Various views of the ZTE MC888 router, including an exploded diagram showing internal components and different external angles.

### 3.1. Front Panel Indicators

- **SIGNAL LED:** Indicates 5G/4G signal strength.
- **NETWORK LED:** Indicates network connection status.
- **WIFI LED:** Indicates Wi-Fi status (on/off, activity).
- **POWER LED:** Indicates power status.

### 3.2. Rear Panel Ports and Buttons

- **WPS Button:** For easy Wi-Fi Protected Setup.

- **PHONE (RJ11) Port:** For connecting a telephone for voice services.
- **LAN (RJ45) Ports (x2):** For connecting wired devices or for WAN connection.
- **POWER Port:** For connecting the power adapter.
- **RESET Button:** To restore factory default settings (use a pin to press and hold).

## 4. SETUP GUIDE

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Follow these steps to set up your ZTE MC888 router.

### 4.1. SIM Card Installation

1. Ensure the router is powered off.
2. Locate the SIM card slot, usually on the bottom or side of the device.
3. Insert a standard Nano-SIM card into the slot with the gold contacts facing down, ensuring it clicks into place.
4. Close the SIM card slot cover if present.

### 4.2. Power Connection

1. Connect the power adapter to the POWER port on the rear of the router.
2. Plug the other end of the power adapter into a wall outlet.
3. The POWER LED on the front panel will illuminate.

### 4.3. Initial Network Connection

Wait for the router to power on and establish a 5G/4G network connection. The SIGNAL and NETWORK LEDs will indicate connection status.

#### 4.3.1. Wi-Fi Connection

- On your computer, smartphone, or tablet, search for available Wi-Fi networks.
- Select the Wi-Fi network name (SSID) printed on the label at the bottom of the router.
- Enter the Wi-Fi password (WPA/WPA2 key) also found on the router's label.

#### 4.3.2. Wired Connection

- Connect an Ethernet cable from one of the LAN ports on the router to the Ethernet port on your computer or other network device.

## 5. OPERATING INSTRUCTIONS

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Once set up, you can manage and utilize your ZTE MC888 router.

### 5.1. Accessing the Web Management Interface

1. Open a web browser (e.g., Chrome, Firefox) on a device connected to the router.
2. Enter the default IP address (usually 192.168.0.1 or 192.168.1.1) into the address bar and press Enter. The exact IP address is typically found on the router's label.
3. Enter the default username and password (also on the router's label) to log in.

### 5.2. Basic Wi-Fi Configuration

From the web management interface, you can customize your Wi-Fi settings:

- Change the Wi-Fi network name (SSID).
- Change the Wi-Fi password for security.
- Select Wi-Fi frequency band (2.4 GHz or 5 GHz).

### 5.3. Voice Functionality (RJ11 Port)

If your SIM card plan supports voice calls, you can connect a standard analog telephone to the RJ11 port on the router to make and receive calls.

1. Connect an analog telephone to the RJ11 port on the router.
2. Ensure the router has an active 5G/4G connection.
3. Use the telephone as you would with a traditional landline.

## 6. MAINTENANCE

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Proper maintenance ensures optimal performance and longevity of your router.

### 6.1. Optimal Placement

- Place the router in an open area, away from obstructions like walls or large metal objects.
- Avoid placing it near other electronic devices that may cause interference (e.g., microwaves, cordless phones).
- Position it centrally in your home for best Wi-Fi coverage.

### 6.2. Firmware Updates

Regularly check for and install firmware updates through the web management interface. Firmware updates can improve performance, add new features, and enhance security.

### 6.3. Cleaning

Clean the router periodically with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter.

### 7.1. No Internet Connection

- **Check SIM Card:** Ensure the SIM card is correctly inserted and active.
- **Check Signal LED:** If the SIGNAL LED is red or off, there might be no 5G/4G signal. Try repositioning the router.
- **Check Network LED:** If the NETWORK LED is off, the router is not connected to the mobile network.
- **Reboot:** Power off the router, wait 30 seconds, then power it back on.
- **APN Settings:** Verify the Access Point Name (APN) settings in the web management interface match your mobile operator's requirements.

### 7.2. Slow Wi-Fi Speed

- **Router Placement:** Ensure the router is in an optimal location, free from interference.

- **Interference:** Other electronic devices or neighboring Wi-Fi networks can cause interference. Try changing the Wi-Fi channel in the router settings.
- **Number of Devices:** Too many devices connected simultaneously can reduce speed.
- **Signal Strength:** Check the Wi-Fi signal strength on your connected devices.

### 7.3. Cannot Access Web Management Interface

- **IP Address:** Ensure you are using the correct IP address (e.g., 192.168.0.1).
- **Connection:** Verify your device is connected to the router via Wi-Fi or Ethernet.
- **Browser Cache:** Clear your browser's cache and cookies, or try a different browser.

### 7.4. Factory Reset

If issues persist, you may need to perform a factory reset. This will erase all custom settings and restore the router to its original factory defaults.

1. With the router powered on, use a thin object (like a paperclip) to press and hold the RESET button on the rear panel for approximately 5-10 seconds.
2. Release the button when the LEDs start to flash.
3. The router will restart with factory settings. You will need to reconfigure it.

## 8. SPECIFICATIONS

Detailed technical specifications for the ZTE MC888 router.

| Feature                         | Specification                            |
|---------------------------------|------------------------------------------|
| Model Number                    | MC888                                    |
| Manufacturer                    | ZTE                                      |
| Connectivity Technology         | Wi-Fi, 5G                                |
| Wireless Communication Standard | 802.11ax (Wi-Fi 6)                       |
| Frequency Band Class            | Dual-band (5 GHz)                        |
| Data Transfer Rate              | 2.8 Gigabits per second (5G + LTE EN-DC) |
| Max Upstream Data Transfer Rate | 3600 Megabits per second (Wi-Fi 6)       |
| LAN Port Bandwidth              | 1000 Mbps (Gigabit Ethernet)             |
| Number of Ports                 | 2x RJ45 (WAN/LAN GE), 1x RJ11 (Voice)    |
| Security Protocol               | WPA3                                     |
| Antenna Type                    | Fixed, High-performance (up to 10 dBi)   |
| Operating System                | ZyNOS                                    |
| Compatible Devices              | Laptop, Smartphone, Tablet               |
| Recommended Use                 | Home                                     |
| Color                           | White                                    |

|                     |               |
|---------------------|---------------|
| Components Included | Power Adapter |
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## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact ZTE customer service. Keep your purchase receipt for warranty claims.

Additional resources, including a detailed user guide in PDF format, may be available on the ZTE official website or through your retailer.