**ZTE MC889 & T3000**

# ZTE MC889 + T3000 5G Outdoor Antenna and WiFi 6 Router
#### USER MANUAL

## Product Overview

The ZTE MC889 + T3000 system combines ZTE's new generation 5G outdoor CPE antenna (MC889) with the WiFi 6 Router (T3000) to deliver high-quality signal and speed. This integrated solution is designed for robust internet connectivity, offering wide coverage and advanced features for various environments.

Key features include:

- New Generation 5G outdoor CPE antenna paired with WiFi 6 Router for optimal performance.
- Extended 5G coverage supporting up to 128 users.
- Easy mesh one-click NFC connection for seamless setup.
- Compact and lightweight design for straightforward installation.
- Integrated signal indicators and a dedicated application to assist with optimal placement.
- Reliable, high-speed CPE connection with 360° coverage, protected by an advanced firewall.
- Enhanced performance through an upgraded chipset and processor, compatible with global 5G networks.

*Image: The ZTE MC889 5G Outdoor Antenna (left) and the ZTE T3000 WiFi 6 Router (right) shown together.*

## Setup

### What's in the Box

Before you begin, ensure all components are present:

- 1 x ZTE MC889 Antenna
- 1 x ZTE T3000 Router + Power Supply
- 1 x POE Adapter + AC Power Cord
- 1 x Mounting Kit with Fixings
- 1 x Cover Plate Kit
- 1 x Quick Start Guide
- 1 x Password List

*Image: The retail packaging for the ZTE MC889 and T3000, showing both devices.*

**Physical Installation of MC889 Antenna**

The MC889 antenna is designed for outdoor use and features a compact, lightweight form factor for easy installation. It is recommended to install the antenna in a location with optimal 5G signal reception.

1. Identify a suitable outdoor location for the MC889 antenna. Consider factors such as signal strength and line of sight to the nearest 5G tower.
2. Use the provided mounting kit and fixings to securely attach the antenna. The antenna includes signal indicators to help you determine the best position for optimal signal reception.
3. Connect the MC889 antenna to the POE Adapter using the provided cable.
4. Utilize the ZTE Link application on your smartphone to fine-tune the antenna's position for the strongest signal. The app provides real-time signal strength feedback.

*Image: The ZTE MC889 antenna shown mounted on a window, alongside a smartphone displaying the ZTE Link application for signal optimization.*

## Connecting the T3000 WiFi 6 Router

The T3000 router pairs with the MC889 antenna to create a comprehensive 5G and WiFi network.

1. Connect the POE Adapter to the T3000 Router using the appropriate port.

2. Connect the T3000 Router to a power outlet using its power supply.

3. Insert your active SIM card into the designated slot on the T3000 Router. Ensure the SIM card is correctly oriented.

4. Power on the T3000 Router. Allow a few minutes for the device to boot up and establish a connection.

5. For initial setup or adding new devices, use the easy mesh one-click NFC connection feature by tapping your NFC-enabled device near the router. Alternatively, connect via Wi-Fi using the credentials provided in the Password List.
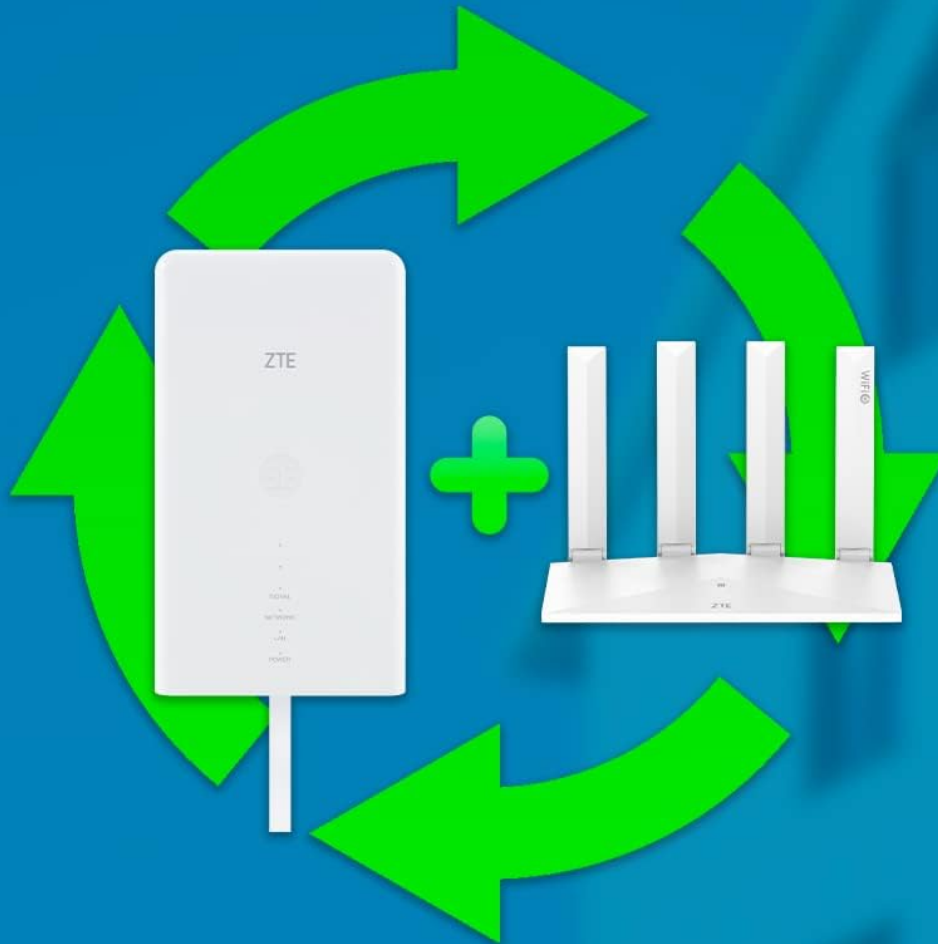
*Image: A visual representation of the ZTE MC889 antenna and T3000 router working in conjunction, highlighted by circular green arrows.*

## Operating Instructions

### Network Connectivity and Performance

The ZTE MC889 + T3000 system provides robust 5G and WiFi 6 connectivity. The upgraded chipset and processor, including the Snapdragon X62 platform, ensure high performance and efficient data handling.

- The system supports 5G networks and Sub6 + mmW, along with 4G Cat 16 LTE.
- The T3000 router offers a peak WiFi rate of up to 3000Mbps with a bandwidth of 160 MHz.
- Equipped with Qualcomm's dual-core 64-bit CPU network acceleration for optimized performance.

Supports 5G networks and Sub6 + mmW

It supports 4G Cat 16 1.Gbps LTE rate

A new 5G era with the new generation Snapdragon X62 platform

Snapdragon

ZTE

Peak rate of WIFI is increased to 3000Mbps

The T3000 has a bandwidth of 160 MHz

Equipped with Qualcomm's dual-core 64-bit CPU network acceleration

Qualcomm

WIFI6

ZTE

*Image: An infographic detailing the technical specifications and performance capabilities of the ZTE MC889 and T3000, highlighting 5G support, Snapdragon X62 platform, 3000Mbps WiFi, and Qualcomm CPU.*

**Coverage and Security**

The system is designed to provide extensive coverage and secure network access.

- Provides wide coverage for up to 128 users, suitable for homes, businesses, holiday homes, and villas.
- Creates a reliable, high-speed CPE connection with 360° coverage.
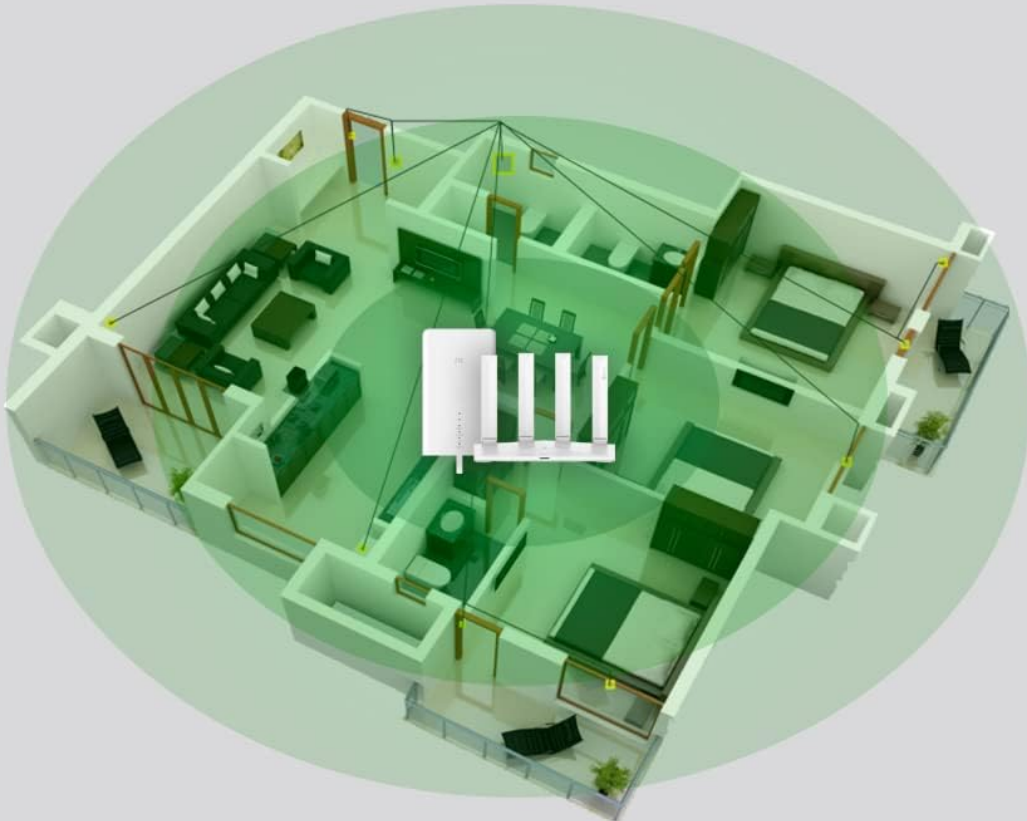- Protected by an advanced firewall to ensure network security.

*Image: A floor plan diagram showing the extensive Wi-Fi coverage provided by the ZTE MC889 and T3000 system throughout a multi-room environment.*

*Image: The ZTE MC889 and T3000 devices are depicted with a firewall icon, symbolizing their advanced security protection.*

## Maintenance

To ensure the longevity and optimal performance of your ZTE MC889 + T3000 system, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of both the antenna and router with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the T3000 router is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Software Updates:** The device will continue to receive security and software updates. It is important to keep the firmware updated to benefit from the latest features, performance improvements, and security patches. Check the ZTE Link app or router's web interface for available updates.
- **Environmental Conditions:** While the MC889 antenna is designed for outdoor use (IP65 rated), avoid exposing the T3000 router to extreme temperatures, humidity, or direct sunlight.

# Troubleshooting

If you encounter issues with your ZTE MC889 + T3000 system, consider the following troubleshooting steps:

- **No Internet Connection:**

    - Check if the SIM card is correctly inserted and active.
    - Verify that the MC889 antenna has a strong signal using the signal indicators or the ZTE Link app. Adjust its position if necessary.
    - Restart both the MC889 antenna (by power cycling the POE adapter) and the T3000 router.
    - Confirm that your service provider's network is operational in your area.

- **Slow Speeds:**

    - Ensure the MC889 antenna is in the optimal position for signal reception.
    - Reduce the number of connected devices or bandwidth-intensive activities.
    - Check for any obstructions between your devices and the T3000 router.
    - Verify that the router's firmware is up to date.

- **Wi-Fi Disconnections:**

    - Ensure the T3000 router is centrally located and not obstructed.
    - Check for interference from other electronic devices.
    - Consider using the mesh feature if you have a large area to cover.

- **Security Concerns:** If you have any security issues or concerns regarding your device, please report them to customerservice@efones.com.

# Specifications

| Feature | Detail |
| --- | --- |
| **Brand** | ZTE |
| **Model Name** | 5G Outdoor CPE + WiFi 6 Router (MC889 & T3000) |
| **Connectivity Technology** | 5G |
| **Wireless Communication Standard** | 802.11a (WiFi 6) |
| **Frequency Band Class** | Dual-Band |
| **Frequency** | 160 MHz |
| **Compatible Devices** | Laptop, Personal Computer, Tablet, Smart Television |
| **Special Features** | High Performance, Connect 128 Devices, Paired Antenna and Wifi Router, Snapdragon X62, IP65 (Antenna), High Gain Antenna |

| Item Weight | 2.45 kg |
|---|---|
| **Operating System** | RouterOS |
| **Included Components** | ZTE MC889 Antenna, ZTE T3000 Router + Power Supply, POE Adapter + AC Power Cord, Mounting Kit with Fixings, Cover Plate Kit, Quick Start Guide, Password List |

## Warranty and Support

Your ZTE MC889 + T3000 system comes with a 2-year warranty, ensuring peace of mind regarding its performance and reliability.

**Security and Software Updates:** eFones, the seller, ensures full compliance with the PSTI Act. Your product has a unique identifier and password for maximum security. The device will continue to receive security and software updates from the date of purchase until May 2025. Regular updates are crucial for maintaining device security and performance.

**Customer Support:** For any security concerns or issues not covered in this manual, please contact customer service at customerservice@efones.com.