

ZTE MC888 Ultra

ZTE MC888 Ultra 5G CPE User Manual

Model: MC888 Ultra

INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your ZTE MC888 Ultra 5G Indoor WiFi CPE. Please read this manual carefully before using the device to ensure proper functionality and safety.

The ZTE MC888 Ultra is a high-performance 5G CPE (Customer Premises Equipment) designed to provide fast and reliable internet connectivity using 5G cellular networks. It features advanced Wi-Fi 6E technology for superior wireless performance within your home or office environment.

SAFETY INFORMATION

- Use only the power adapter supplied with the device.
- Do not expose the device to water or high humidity.
- Avoid placing the device near heat sources or in direct sunlight.
- Ensure proper ventilation around the device to prevent overheating.
- Do not open or attempt to repair the device yourself. Contact qualified service personnel for assistance.

PACKAGE CONTENTS

Before you begin, please check the package contents to ensure all items are present:

- ZTE MC888 Ultra 5G CPE Unit
- Power Adapter
- Ethernet Cable
- Quick Start Guide
- Warranty Card

DEVICE OVERVIEW

Familiarize yourself with the ports and indicators on your ZTE MC888 Ultra CPE.

Image: Front view of the ZTE MC888 Ultra 5G CPE, showing the power, 5G signal, and Wi-Fi LED indicators.

Image: Rear view of the ZTE MC888 Ultra 5G CPE, highlighting the power port, LAN/WAN ports, and SIM card slot.

LED Indicators:

- **Power LED:** Solid green when powered on.
- **5G Signal LED:**
 - Green: Excellent 5G signal.
 - Orange: Good 5G signal.
 - Red: Weak or no 5G signal.
- **Wi-Fi LED:** Solid green when Wi-Fi is active. Blinking green during data transmission.

Ports:

- **Power Port:** Connects to the supplied power adapter.
- **LAN/WAN Ports (2x):** Gigabit Ethernet ports for connecting wired devices or for WAN uplink.
- **SIM Card Slot:** Insert your 5G Nano-SIM card here.
- **Reset Button:** Press and hold for 5 seconds to restore factory settings.

SETUP

1. Insert SIM Card

1. Ensure the device is powered off.
2. Locate the SIM card slot on the rear of the device.
3. Insert a Nano-SIM card into the slot with the gold contacts facing down and the notched corner oriented correctly.
Push until it clicks into place.
4. To remove the SIM card, gently push it in again until it springs out.

2. Power On the Device

1. Connect the supplied power adapter to the power port on the device.
2. Plug the power adapter into a wall outlet.
3. The Power LED will illuminate, and the device will begin to boot up. This may take a few minutes.

3. Optimal Placement

For the best 5G signal reception and Wi-Fi coverage, place the ZTE MC888 Ultra in an open area, away from obstructions, and preferably near a window. Observe the 5G Signal LED for optimal placement (Green indicates excellent signal).

4. Connect to Wi-Fi

1. On your computer or mobile device, search for available Wi-Fi networks.
2. Locate the Wi-Fi network name (SSID) printed on the label at the bottom of your ZTE MC888 Ultra.

3. Enter the Wi-Fi password (Wi-Fi Key) also found on the label.
4. Once connected, the Wi-Fi LED on the device will turn solid green.

5. Access Web Management Interface

1. Open a web browser on a device connected to the CPE's Wi-Fi network.
2. Type the default IP address (usually 192.168.0.1 or 192.168.1.1) into the address bar and press Enter. Refer to the device label for the exact IP.
3. Enter the default username and password (usually "admin" for both, or as specified on the device label).
4. You will now have access to the device's settings, where you can customize Wi-Fi names, passwords, and other advanced features.

OPERATING THE DEVICE

Basic Internet Access

Once the SIM card is inserted and the device is powered on, it will automatically connect to the 5G network and provide internet access via Wi-Fi and Ethernet ports. No further configuration is typically required for basic internet browsing.

Managing Wi-Fi Settings

Through the web management interface, you can:

- Change Wi-Fi Network Name (SSID)
- Change Wi-Fi Password
- Enable/Disable Wi-Fi 6E (if supported by your devices)
- Set up Guest Wi-Fi networks
- Configure Wi-Fi security protocols (WPA2/WPA3)

Advanced Settings

The web management interface also allows for advanced configurations, including:

- Network Mode Selection (Auto, 5G Only, 4G Only)
- APN Settings (usually auto-configured by your carrier)
- DHCP Server Settings
- Port Forwarding
- Firewall Settings
- Parental Controls
- Firmware Updates

Your browser does not support the video tag.

Video: A demonstration of navigating the ZTE MC888 Ultra's web management interface to adjust Wi-Fi settings and view network status.
This video is provided by the seller to assist with device operation.

MAINTENANCE

Cleaning the Device

Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols, as they may damage the device.

Firmware Updates

Periodically check for firmware updates through the web management interface. Firmware updates can improve performance, add new features, and enhance security. Follow the on-screen instructions carefully during the update process and do not power off the device.

Restarting the Device

If you experience minor connectivity issues, a simple restart can often resolve them. You can restart the device by unplugging the power adapter, waiting 10 seconds, and then plugging it back in. Alternatively, a restart option may be available in the web management interface.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power / Power LED Off	Power adapter not connected; Power outlet faulty.	Ensure power adapter is securely connected; Try a different power outlet.
No Internet Connection / 5G Signal LED Red	No SIM card; SIM card not activated; Poor 5G signal; Network outage.	Ensure SIM card is correctly inserted; Contact your mobile carrier to activate SIM; Relocate device for better signal; Check carrier's network status.
Cannot Connect to Wi-Fi	Incorrect Wi-Fi password; Wi-Fi disabled; Device too far from CPE.	Verify Wi-Fi password; Check Wi-Fi settings in web interface; Move closer to the CPE.
Slow Internet Speed	Weak 5G signal; Network congestion; Too many devices connected.	Relocate device for better signal; Reduce number of active devices; Contact carrier if issue persists.
Cannot Access Web Management Interface	Incorrect IP address; Device not connected to CPE's network.	Verify default IP address (on device label); Ensure your device is connected to the CPE's Wi-Fi or via Ethernet.

Factory Reset

If troubleshooting steps do not resolve the issue, you may need to perform a factory reset. This will erase all custom settings and restore the device to its original factory defaults.

1. With the device powered on, locate the Reset button (often a small pinhole) on the rear of the device.
2. Use a paperclip or a similar pointed object to press and hold the Reset button for approximately 5 seconds.
3. Release the button when the LEDs flash, indicating the reset process has begun.
4. The device will restart with factory default settings. You will need to reconfigure your Wi-Fi and other settings.

SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Name	ZTE MC888 Ultra
Network Technology	5G NR, 4G LTE
Chipset	Snapdragon X65
Wi-Fi Standard	Wi-Fi 6E (802.11ax)
Max Wi-Fi Speed	Up to 6000 Mbps (theoretical)
Ethernet Ports	2 x Gigabit Ethernet (LAN/WAN)
SIM Card Type	Nano-SIM
Dimensions	(Approximate, refer to product packaging)
Power Supply	DC 12V/2A (via supplied adapter)

WARRANTY INFORMATION

ZTE provides a limited warranty for this product. The warranty period and terms may vary by region and retailer. Please refer to the warranty card included in your package or contact your point of purchase for specific warranty details. This warranty typically covers defects in materials and workmanship under normal use.

The warranty does not cover damage caused by:

- Accident, misuse, abuse, or neglect.
- Unauthorized modification or repair.
- Improper installation or operation.
- Use of non-original accessories.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty claims, please contact ZTE customer support or your authorized retailer.

- **ZTE Official Website:** Visit www.zte.com.cn/global/ for support resources, FAQs, and contact information.
- **Retailer Support:** Contact the retailer from whom you purchased the device for localized support and return policies.

When contacting support, please have your product model (MC888 Ultra) and serial number (found on the device label) ready.

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Information in this document is subject to change without notice.

ZTE MC888 Ultra 5G Router Modification Instructions

Warranty Note:

- The unit is sold as is, with all warranty rights with manufacturer and therefore shall not be returnable to ZTE.
- Under no circumstances may the user open the unit once modified, doing so may damage the new antenna outputs. Any attempt to open the unit will cause the unit to be considered as faulty.
- Do not open the unit once modified, doing so may damage the new antenna outputs. Any attempt to open the unit will cause the unit to be considered as faulty.

Antenna notes:

- Master radio and slave radio can connect to the external antenna to external antenna.
- The slave antennas are no longer functional as they are now converted for external antenna use.

SG (SA/NSA):

- SA (Stand-Alone) means the main radio can negotiate a link without receiving a 4G connection. Both the router must be SA capable, and the main radio must be its own dedicated 5G interface "SA".
- NSA (Non-Standalone) means the router and the main radio must have a 4G link before it can activate its 5G link. Once connected to 5G it will still require the 4G link to maintain the 5G connection.

Software Configuration:

- It is recommended to keep the firmwares/software installations in the router during the modification process.
- During testing of the modifications, the router will have been restored to factory default setting, any settings will be lost.
- If your unit has factory antenna outputs. Please ensure white the router logo page, you have external antenna connected instead. This ensure the use of the modified antenna outputs. Some routers do not have this feature. Please refer to the routers specification, and you're local network board support for more information.

4G Ports:

- Low Band - 700MHz(40MHz) Bands: 8,20,19,4,18,3,23,14,13,28,48,4,8,2,21,12,14,29,47
- Mid Band - 800MHz(40MHz) Bands: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
- High Band - 2600MHz(40MHz) Bands: 22,23,15,16,49,48,24,25,45,1,19,40
- SC - 700-2600MHz (Bands: N1, N12,N2,N3,N26,N3,N5,N9,N35,N48,N66,N77,N79,N71,N72,N88)

5G Ports:

- SA - 3800-3900MHz (Bands: N77,N79,N79)

This modification will allow the use of the new external inputs in the below configurations.

ZTE MC888 Ultra 5G Router Modification Instructions

User instructions for modifying the ZTE MC888 Ultra 5G Router to utilize external antennas for enhanced 4G and 5G connectivity, including details on SA/NSA configurations and frequency bands.

lang:en score:42 filesize: 406.64 K page_count: 7 document date: 2024-03-18

Contact Information:
Email: enquiry@route-mods.co.uk
Web: www.route-mods.co.uk

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ZTE MC888 Ultra

Feature	Description
Dimensions	255*107*100mm
Weight	about 760g
Picture	
Form factor	5G CPE (SA & NSA)
User manual	Download
Warranty card	Download
Software	Download
AC adapter	12V/5A
Network cable	Not included in the package
EAN	6911000000000
Wireless chipset supplier	Qualcomm
Routing and WiFi chipsets supplier	Qualcomm
Wireless protocol router	802.11bgn
Wireless processor WiFi chipsets	QCN9114+QCN9114
Processor	Qualcomm SDM845
USB port	2xUSB 3.0 port
Memory/SD/MMC	128GB eMMC
MicroSD slot	Not included
USB interface	5
RJ45 interface	2
WiFi interface	1
Power	12V
Maximum power consumption	<24W

(以上所有信息均为中兴通讯有限公司所有, 不得外传) 第 4 页, 共 1 页

ZTE MC888 Ultra 5G CPE Technical Specifications

Detailed technical specifications for the ZTE MC888 Ultra 5G CPE, covering hardware features, RF performance, technical standards, router capabilities, and approvals.

lang:en score:39 filesize: 734.69 K page_count: 4 document date: 2024-07-19

Router ZTE MC888 Ultra
Indeks: 371611 Producer: ZTE Poland Kod producenta: MC888 Ultra
Cena: 1,476.00 zł

Opis

Router ZTE MC888 Ultra
Producer: ZTE Poland

Konstrukcja

- Diody LED: Tak
- Rodzaj urządzenia: Router
- Wspieranie do złącza wewnętrznego: Tak
- Kod producenta: MC888

Moc

- Napięcie operacyjne: 12 V
- Rodzaj zasilania: Prod. przenośny
- Moc maksymalna: 24 W

Wymiary i rozmiary

- Wysokość produktu: 90 mm
- Szerokość produktu: 100 mm
- Głębokość produktu: 100 mm
- Waga produktu: 760 g
- Wymiary netto: 200 mm

Charakterystyka

- Technologia Inteligentnego mesh: Tak
- Zapisywanie przez strony www: Tak
- Wyświetlacz: Tak
- Przyciski: Tak
- Porty: 1xWPS, 1xLAN, 1xWAN

Wymiary proxy

- Zakres temperatur (eksploatacyjny): -20 - 50 °C

Wytycznice

- Technologia MU MIMO: Tak
- Model procesora: Qualcomm SDM845 + QWELL11
- Wspieranie protokołu IPv6: Tak
- Przyciski WPS: Tak
- Określenie DMZ: Tak
- WPS: Tak
- Universal Plug and Play (UPnP): Tak

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Router ZTE MC888 Ultra Sklep internetowy stylem pl router zte mc888 ultra 371611 upload files product

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Router ZTE MC888 Ultra Indeks: 371611 Producer: ZTE Poland Kod producenta: MC888 Ultra Cena: 1,476.00 zł Opis Router ZTE MC888 Ultra Producent: ZTE Poland Konstrukcja Diody LED: Tak Rodzaj urzdzienia: Router Odpowiednie do uytku wewntrznego: Tak Kolor produktu: Bialy Moc Napietie operacyjne: 12 V Rodzaj zasilania: Prod. przenośny Moc maksymalna: 24 W Wymiary i rozmiary Wysokość produktu: 90 mm Szerokość produktu: 100 mm Głębokość produktu: 100 mm Waga produktu: 760 g Wymiary netto: 200 mm Charakterystyka Technologia Inteligentnego mesh: Tak Zapisywanie przez strony www: Tak Wyświetlacz: Tak Przyciski: Tak Porty: 1xWPS, 1xLAN, 1xWAN Wymiary proxy Zakres temperatur (eksploatacyjny): -20 - 50 °C Wytycznice Technologia MU MIMO: Tak Model procesora: Qualcomm SDM845 + QWELL11 Wspieranie protokołu IPv6: Tak Przyciski WPS: Tak Określenie DMZ: Tak WPS: Tak Universal Plug and Play (UPnP): Tak

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ZTE

Nr: 22ZTE0251

EU DECLARATION OF CONFORMITY

It is hereby declared that the following designated product:

Product Type	Vodafone GigaCube MC888 Ultra	Product colour image
Model No	MC888 Ultra	
Product Name	Router	
Software version	CR_VDPEUMC888ULTRAV1.0.0B01	
Hardware version	CR_VDPEUMC888ULTRAV1.0.0B01	
Charger,trans.	None	
and related documents	Grand SUD - CHEVY-A90	

Complies with the minimum performance requirements of Directives on Radio Equipment Directive 2014/53/EU, RoHS Directive 2011/65/EU, Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive 2002/95/EC) and their environmental implementation Regulation (EU) No 1272/2008 and (EU) No 2019/2020.

The assessments were based on the following regulations and standards:

Regulation	Standard	Report No.	Assessment Body
Health and Safety	EN 300-328-1:2020+A11:2020	SET2023-01218	SET2023-01217
EMC	EN 301-489-17:2022	SET2023-01379	
Radio Spectrum	EN 301-408-03-V1.2.6	SET2023-01218	Notified Body 2280, MTCN, Inc.
	EN 301-408-03-V1.2.6	SET2023-01218	EU-type examination certificate: C012384-EU
	EN 301-893-17:2019	SET2023-01218	
	ETSI TS 103 021-3/V17.7.0	SET2023-01195	
	ETSI TS 103 021-3/V17.7.0	SET2023-01195	
	EN 300-408-17:2021	SET2023-01195	
	EN 300-408-17:2021	SET2023-01195	
RoHS	IEC 62321	RPE202000010742	ZTE Corporation Reliability Testing Center (Shenzhen) Co., Ltd.
Energy Efficiency	(EU) 2019/1782	00278601-007	ZTE Corporation (Shenzhen) Co., Ltd.
	EN 62364-1:2021	00278601-007	ZTE Corporation Limited
		CN2023RPN-001	Guangzhou Branch
			ZTE Corporation (Shanghai) Co. Ltd.

This declaration is the responsibility of the manufacturer:

ZTE Corporation
ZTE Building, No. 100, 44th South East Road, Pudong New Area, Shanghai, 201313, P.R. China

Authorized person signing on behalf of the company:
Mr. [Signature] Position: [Signature] Manager of the company
Name in block letters & position: [Signature] Manager, March 30, 2023

Page 1 of 1

Legality valid signature

[\[pdf\]](#) Declaration of Conformity Test Report

Dokumentvorlage für einen Test Report 1999 Rev 03 TPS Download DOC of zte mc888 ultra 5g wifi 6 Router Latest WIFI 5G ZTE MC888 Ultra FWA indoor CPE router Zte wifi6 and CE sincereonetech 2024 07 |||

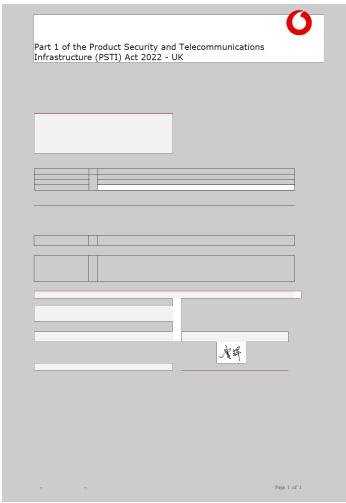
No: 22ZTE0251 EU DECLARATION OF CONFORMITY It is hereby declared that following designated product: Product Type: Vodafone GigaCube, MC888 Ultra Product colour image Model No: Product Description: MC888 Ultra Wireless Router Software version: CR_VDPEUMC888ULTRAV1.0.0B01 Hardware version: Char... lang:en **score:34** filesize: 261.73 K page_count: 1 document date: 2023-04-01



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MC888 Ultra PL 2 ES 29 FR 59 DE 89 MC888 Ultra Skrcona instrukcja obsługi 1. Przygotowanie yy Wana karta nano-SIM. yy Zobacz etykiet urzdzienia, aby uzyska domylne informacje. Ponisza ilustracja ma wylcznie charakter pogldowy. 1.2. Wkladanie karty nano-SIM Otwrz pokryw gniazda u dolu ur... lang:pl **score:31** filesize: 1.42 M page_count: 120 document date: 2023-10-09



[\[pdf\]](#) Declaration of Conformity

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STATEMENT OF COMPLIANCE Part 1 of the Product Security and Telecommunications Infrastructure PSTI ... ough, SL1 4DX, United Kingdom Product Details Product Name: Model Name: Product Type: GigaCube 5G MC888 Ultra FWA Gateway Declaration This statement of compliance is prepared on behalf of the Manuf...

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[pdf] Declaration of Conformity Test Report

Dokumentvorlage für einen Test Report 1999 Rev 03 TPS EU Declaration of Conformity P0304

22ZTE0251 MC888 Ultra CE DOC ztedevices bigmediafiles device global certification Smart phone 2023

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No: 22ZTE0251 EU DECLARATION OF CONFORMITY It is hereby declared that following designated product: Product Type: Vodafone GigaCube, MC888 Ultra Product colour image Model No: Product Description: MC888 Ultra Wireless Router Software version: CR_VDFFEUMC888ULTRAV1.0.0B01 Hardware version: Cha... lang:en score:27 filesize: 261.62 K page count: 1 document date: 2023-04-01

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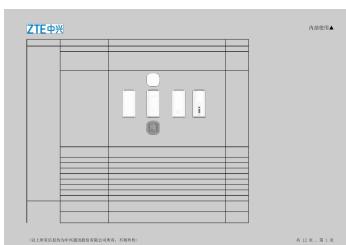
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22ZTE0251 MC888 Ultra CE DOC PL ztedevices bigmediafiles device global certification Smart phone

2023 |

Nr: 22ZTE0251 DEKLARACJA ZGODNOCI UE Niniejszym stwierdzono, e poniszy produkt: Typ produktu: Vodafone GigaCube, MC888 Ultra Kolorowy obraz produktu Nr modelu: Opis produktu: Wersja oprogramowania: Wersja sprztu: Marki i modele ladowarek: MC888 Ultra Router bezprzewodowy CR_VDFFEUMC888ULTRAV1.0... lang:pl score:27 filesize: 236.92 K page_count: 1 document date: 2023-08-17

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[ZTE MC888 Ultra 5G CPE Specifications Sheet](#)

Detailed specifications for the ZTE MC888 Ultra 5G CPE, covering hardware, software, network capabilities, and technical standards.

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Giga Cube 5G ZTE | Technische Details 5G LTE Bis zu 2,7 Gbit/s im Download Bis zu
280 Mbit/s im ... Hz und 5GHz Hersteller Technische Details ZTE Bezeichnung
Abmessungen Vodafone GigaCube 5G ZTE MC888 Ultra 101.5 x 101.5 x 207mm
Farbe/Brand White Prozessor Anschlüsse WiFi Mobilfunknetz Freue...
lang:en **score:17** filesize: 70 74 K page_count: 1 document date: 2023-05-31



Declaration of Conformity (DoC) MC888_Ultra

Name and address of the Manufacturer²

Vodafone Vodafone S.r.l., 15 rue Edward Steichen, L-2540 Luxembourg, Grand-Duché de Luxembourg
Vodafone Luxembourg S.à r.l., 15 rue Edward Steichen, L-2540 Luxembourg, Grand-Duché de Luxembourg

Address information³

15 rue Edward Steichen, L-2540 Luxembourg, Grand-Duché de Luxembourg

Reference of the Declaration of Conformity

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6ZYF2gaEp6ksnjVJUW3yq bec085737288ba07b4530cc877d4d2c6 |||

EU DECLARATION OF CONFORMITY¹ Number² ZTE Corporation_110_MC888

Ultra Name and address of the Manufacturer³ Manufacturer: Vodafone Vodafone S.r.l., 15 rue Edward Steichen, L-2540 Luxembourg, Grand-Duché de Luxembourg

Manufacturer's Authorised Representative: ZTE Netherlands B.V. Prinses Margrietpla...

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EU DECLARATION OF CONFORMITY¹ Number² ZTE Corporation_110_MC888

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Manufacturer's Authorised Representative: ZTE Netherlands B.V. Prinses Margrietpla...

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Bekijk de CE markering ZTE MC888 ULTRA 64x Snapdragon turbo chip 3th newest generation 5G

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