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› Calonny AX3000 5G Wi-Fi 6 Router User Manual

calonny C5021

Calonny AX3000 5G Wi-Fi 6 Router User Manual

Model: C5021

INTRODUCTION

Thank you for choosing the Calonny AX3000 5G Wi-Fi 6 Router (Model C5021). This high-performance device provides ultra-fast 5G broadband connectivity and advanced Wi-Fi 6 technology, ensuring a seamless internet experience for your home or office. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your new router.





Figure 1: Front view of the Calonny AX3000 5G Wi-Fi 6 Router, showing the Calonny logo and indicator lights for 5G, 4G, Wi-Fi, and power.

SETUP

Follow these steps to set up your Calonny AX3000 5G Wi-Fi 6 Router.

1. **Unpack the Router:** Carefully remove the router and all accessories from the packaging. Ensure all components are present: the router unit, power adapter, and Ethernet cable.
2. **Insert SIM Card:** Locate the SIM card slot on the router. Insert your 5G/4G Nano SIM card into the slot until it clicks into place. Ensure the SIM card is inserted in the correct orientation as indicated by the diagram near the slot. For some operators, you may need to disable the SIM PIN before insertion.
3. **Connect Power:** Connect the power adapter to the DC IN port on the back of the router and then plug the adapter into a power outlet. The router will automatically power on.
4. **Initial Boot-up:** Wait for the router to boot up. The indicator lights on the front panel will illuminate. The 5G/4G indicator will show network status.
5. **Connect Devices:**
 - **Wi-Fi Connection:** On your device (smartphone, laptop, etc.), search for available Wi-Fi networks. Select the network name (SSID) printed on the label at the bottom of your router. Enter the Wi-Fi password (Key) also found on the label.

- **Wired Connection:** For a wired connection, connect an Ethernet cable from one of the LAN/WAN ports on the router to the Ethernet port on your computer or other network device.

6. **Access Web Interface:** Open a web browser and enter the default IP address (usually 192.168.1.1 or 192.168.0.1) found on the router's label. Log in using the default username and password (also on the label). You may need to configure APN settings manually for certain operators if the automatic detection fails.





Figure 2: Rear view of the Calonny AX3000 5G Wi-Fi 6 Router, showing the power input, LAN/WAN ports, Phone port, and WPS button.

OPERATING THE ROUTER

This section covers the basic operation and features of your Calonny AX3000 router.

Wi-Fi 6 Connectivity

The router supports Wi-Fi 6 (802.11ax) standard, providing higher speeds, lower latency, and increased capacity compared to previous Wi-Fi generations. It operates on dual bands (2.4GHz and 5GHz) for optimal performance.

Wi-Fi 6

Wi-Fi 6 Doppia banda
Velocità fino a **5760 Mbps**

Velocità 5G
Fino a 3.4 Gbps

5G



Connetti oltre
256 Dispositivi

SIM
5G/4G/3G SIM Card,
Plug and Play

Una rete Mesh
Multi-Gigabit
unificata



Seamless AI
Roaming



Canali 320MHz



Multi-Link
Operation



4K-QAM



Si accende
automaticamente dopo
un'interruzione di
corrente

Figure 3: Overview of Wi-Fi 6 capabilities, highlighting dual-band operation, speeds up to 5760 Mbps, support for over 256 devices, Mesh network compatibility, SIM card plug-and-play, Seamless AI Roaming, 320MHz channels, Multi-Link Operation, and 4K-QAM.



Figure 4: Wi-Fi 6 speed comparison, showing 5GHz band speeds up to 5760 Mbps and 2.4GHz band speeds up to 574 Mbps.

5G Broadband Connection

Leverage the power of 5G technology for incredibly fast download speeds up to 4.6Gbps and upload speeds up to 1.25Gbps. This allows for smooth streaming of HD videos, online gaming, and large file transfers.

Latenza ridotta, Prestazioni avanzate

5G

Connessione a banda larga

3.4 Gbps

4G-LTE Advanced

300 Mbps

4G-LTE

150 Mbps



Figure 5: Comparison illustrating the low latency and high broadband connection speed of 5G (3.4 Gbps) compared to 4G-LTE Advanced (300 Mbps) and 4G-LTE (150 Mbps).

Web Management Interface

The router's web interface provides comprehensive control over your network settings. You can configure Wi-Fi names (SSIDs) and passwords, manage connected devices, set up parental controls, enable firewall settings, and update firmware.

- **Wi-Fi Settings:** Change your Wi-Fi network name (SSID) and password for both 2.4GHz and 5GHz bands.
- **Guest Network:** Create a separate guest network for visitors, keeping your main network secure.
- **Parental Control:** Manage internet access times and block specific websites for connected devices.
- **Network Security:** Configure WPA3 encryption, SPI Firewall, and VLAN isolation for enhanced security.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your router.

- **Cleaning:** Regularly clean the router's exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure ventilation holes are free from dust and obstructions.
- **Firmware Updates:** Check the router's web management interface periodically for available firmware updates. Keeping the firmware updated ensures you have the latest features, security patches, and performance improvements.
- **Placement:** Place the router in a central location, away from obstructions, large metal objects, and other electronic devices that may cause interference. This helps maximize Wi-Fi signal coverage.
- **Restarting:** If you experience network issues, try restarting the router by unplugging the power adapter for 10 seconds and then plugging it back in.

TROUBLESHOOTING

If you encounter issues with your router, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No Internet Access	• SIM card not inserted correctly or not activated. • Incorrect APN settings. • No 5G/4G signal. • Router not connected to power.	• Ensure SIM card is properly inserted and activated by your carrier. • Verify APN settings in the web interface. • Relocate the router to an area with better signal. • Check power connection and indicator lights. • Restart the router.
Weak Wi-Fi Signal	• Router placement is not optimal. • Interference from other devices. • Too many devices connected.	• Move the router to a central, open location. • Keep router away from microwaves, cordless phones, etc. • Consider using a mesh network or additional access points for larger areas.
Cannot Access Web Interface	• Incorrect IP address. • Device not connected to router. • Firewall on computer blocking access.	• Verify the router's IP address (usually 192.168.1.1). • Ensure your device is connected via Wi-Fi or Ethernet. • Temporarily disable your computer's firewall. • Try a different web browser.

SPECIFICATIONS

Detailed technical specifications for the Calonny AX3000 5G Wi-Fi 6 Router (Model C5021).

5G NR CPE Router

C5021

FEATURES:

- Built-in Wi-Fi 6(AX3000Mbps Max) mobile hotspot distributes high-speed, high-performance Wi-Fi to all your connected devices
- Build-in 5G Full-band antenna. 360°Signal Reception for Superior Connectivity, Radiation radius of more than 80 meters
- Support 2.4G and 5G Bands
- Support SA and NSA
- Support WPA3 encryption for more protection
- Nano SIM card slot supports 5G or 4G/LTE
- Support 512 surfing users
- Support Web GUI management and configuration
- Support 2.5Gbps WAN/LAN*1 and 2.5Gbps LAN*1

Ultra fast 5G Connectivity

With support for 5G technology, the C5021 delivers lightning-fast download and upload speeds which up to 4.6Gbps (DL)/ 1.25Gbps(UL)*, enabling you to download large files, stream high-quality videos, and play online games with ease.

SUPPORTED FREQUENCIES

5G NR: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/V77/N78

4G LTE: B1/B3/B5/B7/B8/B20/B28/B38/B40/B41/B42/B43

WCDMA: B1/B5/B8

SUPPORTED NETWORKS:

5G NR / LTE/HSUPA/HSDPA/UMTS

CE

RoHS

Made in China

EU

REP

eVatmaster Consulting GmbH

Bettinastr.30

60325 Frankfurt am Main,Germany

contact@evatmaster.com

After-sales Service: calonnyassistenza@gmail.com

OST_EU_20231114000001

BODG1377YZ

Calonny CPE Router 5G

Product Name:CPE Router	Model:C5021
Batch No:CI2024062701	Date of manufacture:Nov 5, 2024
Manufacturer: Shanghai Stoneim Intelligent Technology Co., Ltd	
Address: 4/F,Building G, Huachuangda Central Business Building. Junction of xinghua 1st Road and Bao' an Avenue, Bao' anDistrict,Shenzhen,China	

WARNING

To avoid danger of suffocation, keep this bag away from babies and children.

Do not use this bag in cribs, beds, carriages,or play pens.

This bag is not a toy.

FR

Cet appareil, ses accessoires, cordons et batteries se recyclent

A DÉPOSER EN MAGASIN

OU

A DÉPOSER EN DÉCHÈTERIE

Points de collecte sur www.quefairemedechets.fr
Privilégiez la réparation ou le don de votre appareil !

FR

ÉLÉMENTS D'EMBALLAGE À SÉPARER ET À DÉPOSER DANS LE BAC DE TRI

BAC DE TRI

Figure 6: Detailed specifications for the C5021 5G NR CPE Router, including features, supported frequencies, and network types.

Feature	Description
Model Name	Calonny router 5G AX3000 (C5021)
Connectivity Technology	5G, Wi-Fi, Ethernet
Wireless Standard	802.11a/b/g/n/ac/ax (Wi-Fi 6)
Frequency Band Class	Dual-Band (2.4GHz, 5GHz)
5G Download Speed (Max)	4.61 Gbps
5G Upload Speed (Max)	1.25 Gbps
Ethernet Ports	2 x WAN/LAN (Gigabit)
SIM Card Support	Nano SIM (5G/4G LTE)
Special Features	Parental Control, Band Scheduling, SPI Firewall, WPA3 Encryption, VLAN isolation
Compatible Devices	Personal Computer, Smart Television, Smartphone
Operating System	Linux
Package Dimensions	20 x 10 x 10 cm; 800 g

WARRANTY AND SUPPORT

Your Calonny AX3000 5G Wi-Fi 6 Router is covered by a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Calonny customer service through the official website or the contact information provided with your purchase. You can also visit the product page on Amazon for additional resources: [Calonny AX3000 Router on Amazon](#).

Manufacturer: calonny

Item model number: c5021

ASIN: B0DG1377YZ

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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