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> KuWiFi C160 AX3600 WiFi 6 Router, Portable eSIM Box, Ethernet Port, Dual-Band, 5G SIM WiFi Mesh Box, Easy Setup, 5G Modem, 4G Router, Efficient and Secure 5G Mobile Router Connection

## KuWiFi C160

# KuWiFi C160 AX3600 5G WiFi 6 Router User Manual

Brand: **KuWiFi** | Model: **C160**

## 1. INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your KuWiFi C160 AX3600 5G WiFi 6 Router. Please read this manual carefully to ensure proper use and optimal performance of your device.

The KuWiFi C160 is a versatile and powerful mobile router designed to provide high-speed internet connectivity using 5G and 4G cellular networks. It features advanced WiFi 6 technology for efficient wireless communication and a portable design with a built-in battery, making it suitable for various environments.

## 2. PRODUCT OVERVIEW

### 2.1. Device Appearance

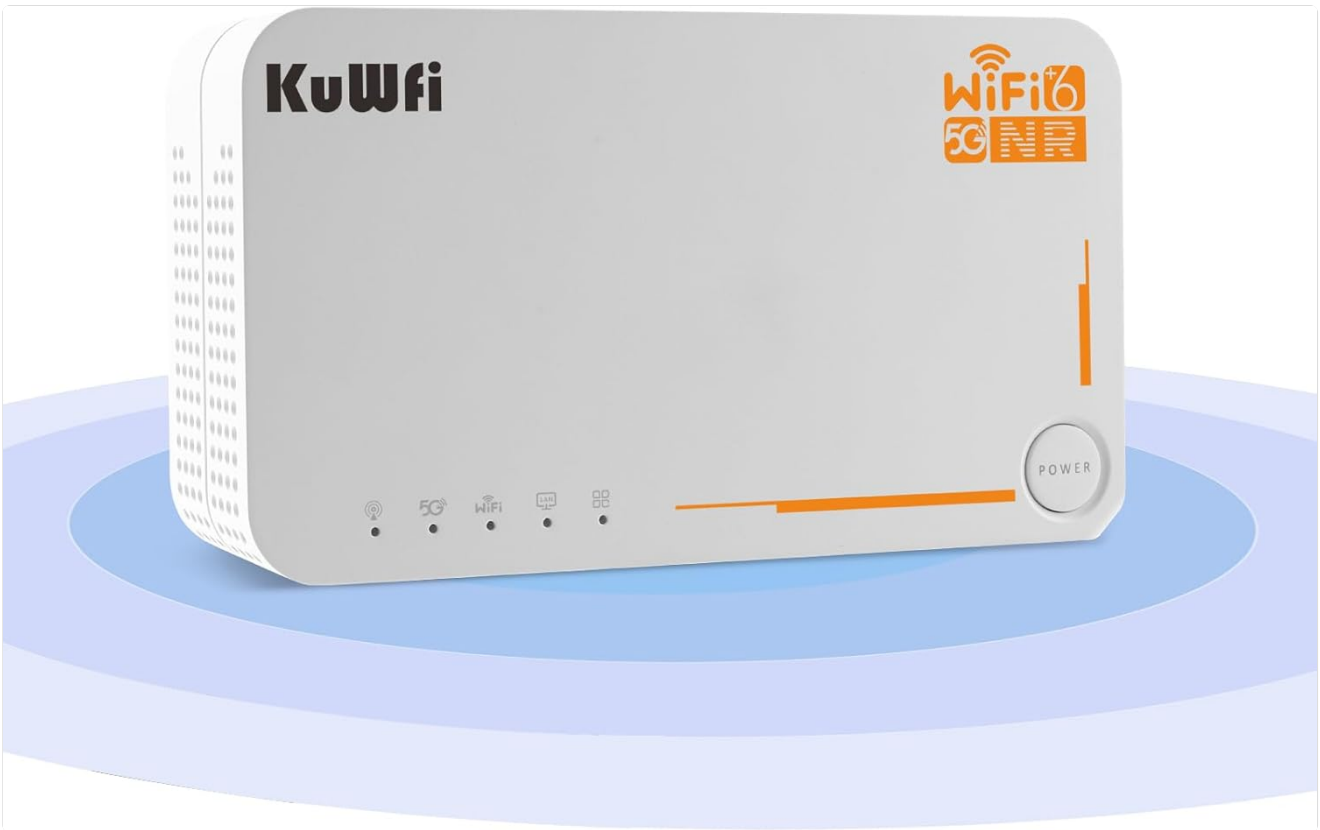


Figure 2.1: Front view of the KuWFi C160 AX3600 5G WiFi 6 Router, showing the power button and LED indicators.

## 2.2. Ports and Indicators



Figure 2.2: Detailed diagram of the KuWFi C160 router's ports and LED indicators, including power supply, LAN port, Type-C port, Nano SIM slot, Reset button, and WPS button.

- **Power ON/OFF Button:** Used to turn the device on or off.
- **Power Supply (DC 12V 2A):** Connects to the power adapter.
- **LAN Port:** For wired network connections to devices like computers.
- **Type-C Port:** For debug or firmware updates.
- **Nano SIM Slot:** Insert your Nano SIM card here for cellular connectivity.
- **Reset Button:** Used to restore factory settings (press and hold).
- **WPS Button:** For quick and secure wireless connections.
- **LED Indicators:** Provide status for Power, 5G, WiFi, and LAN.

## 2.3. Key Features

- **5G NR & WiFi 6 (AX3600):** Supports lightning-fast 5G speeds (NSA and SA) and the latest WiFi 6 technology for superior wireless performance.
- **Qualcomm Snapdragon X55 Chipset:** Powers high-speed data transfer with up to 2.5 Gbps 5G NR download and 1 Gbps 4G LTE download speeds.
- **Plug & Play with Nano SIM:** Simply insert a Nano SIM card to get instant internet access.

- **Dual-Band WiFi:** Operates on both 2.4 GHz (574 Mbps) and 5 GHz (2402 Mbps) bands.
- **MU-MIMO + OFDMA:** Enhances efficiency for multiple simultaneous connections.
- **4000mAh Battery:** Provides portable power for on-the-go usage.
- **WPA3 Security Protocol:** Offers enhanced network security and privacy.
- **VPN Client Support:** Includes L2TP, DMZ, VPN, PIN, WPS, NTP, WAN IP, IPv6 DDNS, and Night Mode.
- **Multi-Client Support:** Can connect up to 32 devices simultaneously.

### 3. SETUP GUIDE

#### 3.1. Inserting the Nano SIM Card

1. Locate the Nano SIM slot on the side of the router (refer to Figure 2.2).
2. Gently insert your Nano SIM card into the slot until it clicks into place. Ensure the card is oriented correctly as indicated on the device.



Figure 3.1: Illustration of inserting a Nano SIM card into the router.

**Note:** Before purchasing, verify that your SIM card's frequency band is compatible with the KuWiFi C160 router's supported bands (5GNR: N41/N77/N78/N79/N1/N3/N5/N7/N8/N20/N28/N38/N40; 4G FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/B26/B28/B32; TDD-LTE: B34/B38/39/B40/B41/B42; UMTS: B1/B3/B5/B6/B8/B19).

## 3.2. Powering On the Router

1. Connect the provided DC power adapter to the router's power input port and plug it into a power outlet.
2. Press and hold the Power ON/OFF button until the power indicator light illuminates.
3. Wait for the 5G and WiFi indicator lights to become stable, indicating a successful connection to the cellular network and active WiFi.



Figure 3.2: Diagram illustrating the power supply connection to the router.

## 3.3. Connecting Devices

### 3.3.1. Wireless Connection (WiFi)

1. On your device (smartphone, laptop, tablet), search for available WiFi networks.
2. Select the WiFi network name (SSID) displayed on the router's label or default settings.
3. Enter the WiFi password (Key) found on the router's label.
4. Your device should now be connected to the internet.

### 3.3.2. Wired Connection (Ethernet)

1. Connect one end of an Ethernet cable to the LAN port on the router.
2. Connect the other end of the Ethernet cable to the Ethernet port on your computer or other network device.
3. The wired device should automatically obtain an IP address and connect to the internet.

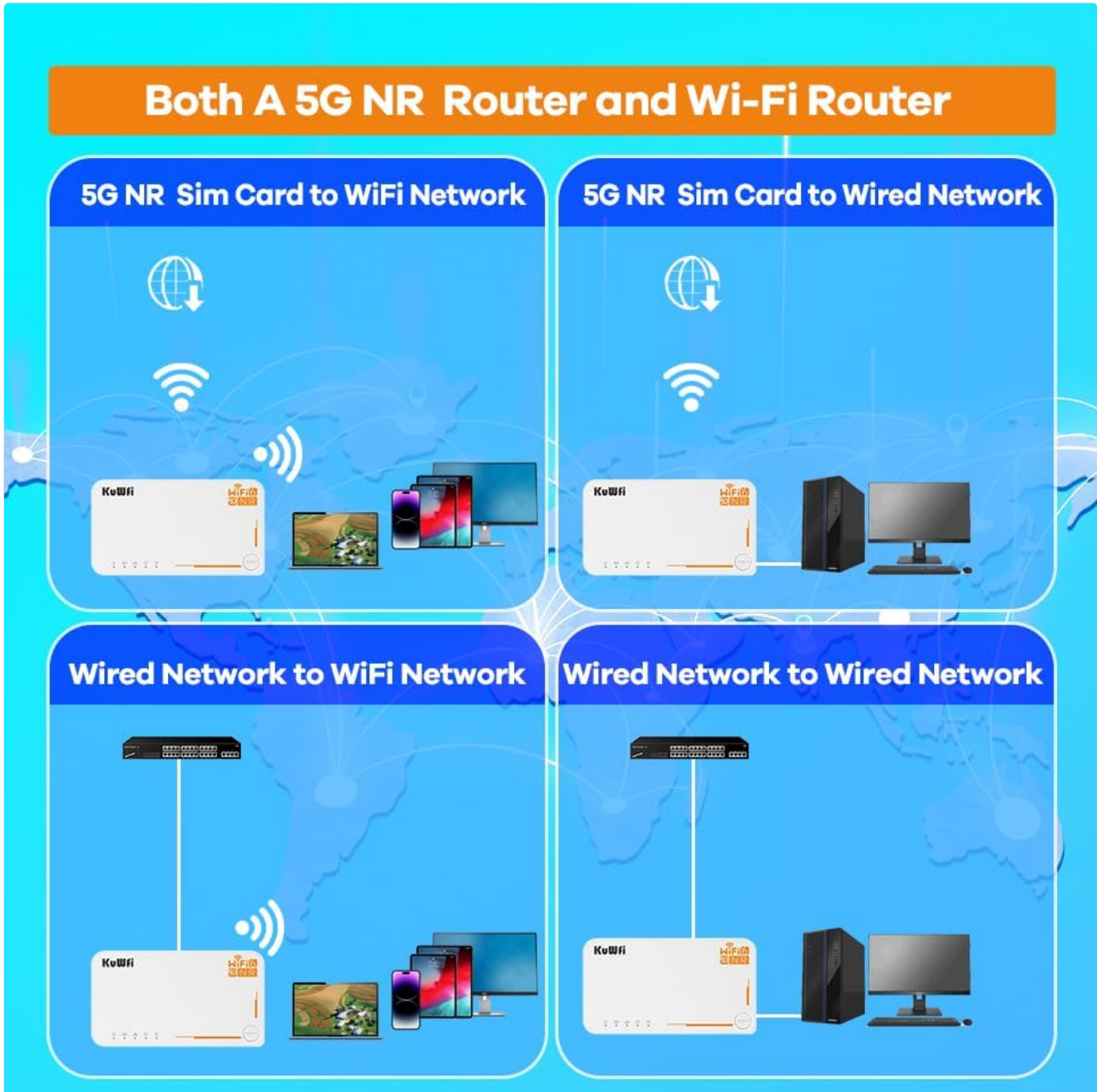


Figure 3.3: Depiction of various connection modes, including 5G NR SIM to WiFi, 5G NR SIM to Wired, Wired to WiFi, and Wired to Wired networks.

## 4. OPERATING INSTRUCTIONS

### 4.1. Accessing the Web Management Interface

1. Open a web browser on a device connected to the router (wired or wireless).
2. Enter the default IP address (usually 192.168.1.1 or similar, check the router's label) in the address bar and press

Enter.

3. Enter the default username and password (usually admin/admin or found on the router's label) to log in.
4. From the web interface, you can configure advanced settings such as WiFi name, password, security protocols, VPN settings, and more.

## 4.2. WiFi 6 Features and Performance

The KuWiFi C160 leverages WiFi 6 (802.11ax) technology to provide enhanced speed, capacity, and efficiency. With speeds up to 574 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz, it supports demanding applications like 4K/8K streaming, online gaming, and large file downloads.



Figure 4.1: Diagram highlighting the router's ability to share with up to 32 devices, compatibility with major cellular providers, and Nano SIM card slot.

# KuWfi

## 5G SA/NSA AX3600



# 5G

# 5G

## 4G CAT 18

## 4G CAT 12

## 4G CAT 6

## 4G CAT 4

2.5Gbps  
5Gbps

1.2 Gbps DL

600Mbps DL

300Mbps DL

150Mbps DL

Figure 4.2: Visual representation of 5G and 4G download speeds supported by the KuWFi C160 router, showing significant improvements over older 4G categories.

### 4.3. Portable Usage

Equipped with a 4000mAh battery, the C160 router offers portability, allowing you to enjoy high-speed internet wherever you go. The actual battery life may vary depending on usage and environmental conditions.



Figure 4.3: Illustration emphasizing the router's built-in 4000mAh battery for portable use.

The router is ideal for various scenarios:

- **Home:** Extend your mobile internet speed throughout your home.
- **Travel:** Secure and reliable internet access during trips.
- **Business/Mobile Shops:** Essential for on-the-go connectivity.
- **Rural Areas:** Provides internet where traditional broadband may be unavailable.



Figure 4.4: Depiction of various usage environments for the KuWFi C160 router, including home, travel, party, and shop settings.

## 5. MAINTENANCE

### 5.1. General Care

- Keep the router in a cool, dry place, away from direct sunlight, heat sources, and moisture.
- Avoid placing the router near strong electromagnetic fields.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure proper ventilation around the device to prevent overheating.

### 5.2. Firmware Updates

Periodically check the manufacturer's official website for available firmware updates. Firmware updates can improve performance, add new features, and enhance security. Follow the instructions provided with the firmware update package carefully.

## 5.3. Battery Management

- To prolong battery life, avoid fully discharging the battery frequently.
- If storing the device for an extended period, charge the battery to about 50% before storage.
- Use only the original power adapter and cable provided with the device.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Internet Connection	SIM card not inserted correctly or not activated. No cellular signal. Incorrect APN settings. Router not powered on.	Ensure SIM card is properly inserted and activated with your carrier. Move the router to an area with better cellular signal. Check and configure APN settings via the web management interface. Press the power button to turn on the router.
Slow Internet Speed	Weak cellular signal. Too many connected devices. Network congestion. Interference from other devices.	Relocate the router for better signal reception. Disconnect unnecessary devices. Try changing the WiFi channel in the router settings. Ensure router is not near other electronic devices causing interference.
Cannot Connect to WiFi	Incorrect WiFi password. WiFi disabled. Device too far from router.	Verify the WiFi password. Check WiFi status in the web management interface. Move closer to the router. Try resetting the router (press reset button for 5 seconds).

## 7. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	KuWiFi
Model Name	J-C160
Part Number	C160
Operating System	Router OS
Compatible Devices	Security Camera, Desktop Computer, Smart TV, Smartphone, Tablet

Feature	Detail
Special Features	Internet Security, Beamforming, Parental Control, WPS, LED Indicator
Data Transfer Rate	2500 Megabytes per second (Max theoretical)
Wireless Type	802.11ax (WiFi 6), 802.11ac, 802.11n
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Number of Ports	1 (Ethernet)
Connector Type	5G, Ethernet, Wi-Fi
Battery Included	Yes (4000 mAh Lithium Polymer)
Product Dimensions	16.5 x 9 x 6.5 cm; 740 g
5G NR Bands	N41 / N77 / N78 / N79 / N1 / N3 / N5 / N7 / N8 / N20 / N28 / N38 / N40
4G LTE Bands	FDD-LTE: B1 / B3 / B5 / B7 / B8 / B18 / B19 / B20 / B26 / B28 / B32; TDD-LTE: B34 / B38 / 39 / B40 / B41 / B42
UMTS Bands	B1 / B3 / B5 / B6 / B8 / B19

## 8. WARRANTY AND SUPPORT

### 8.1. Warranty Information

The KuWiFi C160 AX3600 5G WiFi 6 Router comes with a **12-month warranty** from the date of purchase. This warranty covers quality-related issues. For warranty claims, please retain your proof of purchase.

During the warranty period, KuWiFi will address all quality-related issues with a replacement or full refund.

### 8.2. Customer Support

If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact KuWiFi customer support. Refer to the product packaging or the official KuWiFi website for the most up-to-date contact information.

For more information and resources, you may visit the official KuWiFi store: [KuWiFi Amazon Store](#).