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› Bewinner WR800 4G LTE CPE WiFi 6 Router User Manual

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Bewinner WR800 4G LTE CPE WiFi 6 Router User Manual

Model: WR800 (Bewinnernqmcf1ri3d-11)

Brand: Bewinner

1. PRODUCT OVERVIEW

The Bewinner WR800 is a 4G LTE CPE WiFi 6 Router designed to provide high-speed internet access via LTE. It functions as a 4G modem with a SIM card slot and can convert 4G into a WiFi hotspot. This router is suitable for home or business use, offering stable and wide-ranging connectivity.



Image: The Bewinner WR800 4G LTE CPE WiFi 6 Router, showcasing its four external antennas and sleek design, indicating high-speed WiFi 6 capabilities.

Key Features:

- **Connectivity Range:** Converts 4G into a WiFi hotspot, covering up to 200 meters and connecting 10-20 devices simultaneously.
- **Supported Frequencies:** Supports 4GFDD-LTE: B1/B3/B7/B8/B20 and TDD-LTE: B38/B40/B41 network frequencies in Europe and Asia.
- **Fast Transmission:** Download speeds up to 150 Mbps, upload speeds up to 50 Mbps, and wireless transmission speeds up to 300 Mbps.
- **High-Gain Antennas:** Four 5dBi high-gain antennas enhance router sensitivity and improve 4G LTE and WiFi signal quality over longer distances.
- **Durable Construction:** Made from quality ASB material for wear resistance.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x Bewinner WR800 Router
- 1 x Power Adapter (EU Plug)
- 1 x Ethernet Cable
- 1 x User Manual

FAST WIFI 6 LARGE UNIT SIGNAL COVERAGE



Image: The Bewinner WR800 router, power adapter, and Ethernet cable, representing the typical package contents.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Bewinner WR800 router:

1. **Insert SIM Card:** Ensure the router is powered off. Locate the SIM card slot on the router. Insert a standard SIM card that is compatible with the router's frequency bands (FDD-LTE: B1/B3/B5/B7/B8/B20, TDD-LTE: B38/B40/B41, WCDMA: B1/B5/B8). Make sure the SIM card is inserted correctly according to the diagram near the slot.
2. **Connect Power:** Connect the provided power adapter to the router's power input port and then plug it into an electrical outlet.
3. **Power On:** Press the power button to turn on the router. Wait for the indicator lights to stabilize, which typically takes a few minutes.
4. **Initial Connection (Optional):** For initial configuration or wired connection, connect an Ethernet cable from one of the router's LAN ports to your computer's Ethernet port.



Image: A close-up view of the Bewinner WR800 router's Ethernet ports (ETH1, ETH2, ETH3, ETH4), indicating wired connectivity options.

FAST WIFI6 ALWAYS SURFING FREELY

600Mbps wireless speed Movie music download smoothly

Adopting the new generation WiFi6 technology the wireless speed can reach up to 600Mbps allowing for happy surfing in minutes and seconds.

WR800

Main stream AC1200

Relative improvement

155%*



4G 600MBPS HIGH FREQUENCY

The frequency is like a highway compared to a frequency of 300

WR800 doubles the width of the lane and doubles the speed.

Multiple devices can be connected smoothly along the way.

Image: Rear view of the Bewinner WR800 router, showing the power input, SIM card slot, and Ethernet ports.

4. OPERATING INSTRUCTIONS

Connecting to WiFi:

Once the router is powered on and the SIM card is active, it will broadcast a WiFi network. You can find the default WiFi name (SSID) and password (WiFi Key) on the label located on the bottom of the router.

1. On your device (smartphone, laptop, tablet), search for available WiFi networks.
2. Select the network name (SSID) corresponding to your router.
3. Enter the WiFi Key when prompted.
4. Your device should now be connected to the internet.



Image: The bottom label of the Bewinner WR800 router, displaying essential information such as the model number, default WiFi name, WiFi key, and router IP address (192.168.0.1).

Accessing Router Settings:

To configure advanced settings, such as changing WiFi name/password, APN settings, or firewall rules, access the router's web interface:

1. Ensure your device is connected to the router's WiFi or via an Ethernet cable.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. In the address bar, type the router's IP address: **192.168.0.1** and press Enter.
4. Enter the default username and password (usually found on the router's bottom label or in the manual).
5. You can now navigate through the router's settings to customize your network.



Image: Diagram illustrating key features of the Bewinner WR800, including 600Mbps wireless speed, new generation high-

speed chips, 4 Ethernet interfaces, and mesh networking capabilities.



Image: An illustration demonstrating mesh networking capabilities, showing how the Bewinner WR800 can create a strong, whole-house WiFi 6 network with both wireless and wired connections.

5. MAINTENANCE

To ensure optimal performance and longevity of your Bewinner WR800 router, consider the following maintenance tips:

- **Placement:** Place the router in a central location, away from obstructions, large metal objects, and other electronic devices that may cause interference.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the router's ventilation holes are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping the firmware updated can improve performance, security, and add new features.
- **Power Cycle:** If you experience connectivity issues, try power cycling the router (unplugging it from the power source for 10-15 seconds and then plugging it back in).

6. TROUBLESHOOTING

If you encounter issues with your Bewinner WR800 router, refer to the following common troubleshooting steps:

No Internet Connection:

- **Check SIM Card:** Ensure the SIM card is correctly inserted and active with a data plan.
- **APN Settings:** If your SIM card is compatible but not working, you may need to disable the SIM card's PIN and modify the APN (Access Point Name) settings. Access the router's web interface (192.168.0.1), navigate to **Network > APN**, and enable/modify the access point according to your mobile carrier's specifications.
- **Signal Strength:** Check the 4G signal indicator on the router. If the signal is weak, try repositioning the router.

- **Power Cycle:** Restart the router by unplugging and replugging the power adapter.

Slow WiFi Speed:

- **Router Placement:** Ensure the router is centrally located and not obstructed.
- **Interference:** Move the router away from other electronic devices that might cause interference.
- **Number of Devices:** Too many devices connected simultaneously can reduce speed.
- **Firmware:** Ensure your router's firmware is up to date.



Image: A diagram illustrating OFDMA (Orthogonal Frequency-Division Multiple Access) technology, showing how the WiFi 6 router can transmit multiple user data streams simultaneously, reducing network congestion compared to traditional WiFi 5 routers.

7. SPECIFICATIONS

Feature	Specification
Model Name	WR800 (Bewinnernqmc1ri3d-11)
Brand	Bewinner
Item Type	4G LTE CPE Router
Material	ABS
WiFi Standard	802.11b/g/n (WiFi 6)
Wireless Network Frequency	2.4 GHz
Integrated Firewall	Yes
4G FDD-LTE Bands	B1/B3/B5/B7/B8/B20
4G TDD-LTE Bands	B38/B40/B41
WCDMA Bands	B1/B5/B8
SIM Card Slot	Standard SIM Card (not included)

Download Speed	Up to 150 Mbps
Upload Speed	Up to 50 Mbps
Wireless Transmission Speed	300 Mbps
Antennas	4 x 5dBi High-Gain Non-Removable Antennas
Router IP Address	192.168.0.1
Country of Origin	China



Image: A diagram illustrating the internal architecture of the Bewinner WR800, highlighting its new generation high-speed chips and independent network acceleration engine for stable and smooth operation.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Bewinner website. Keep your purchase receipt as proof of purchase for warranty claims.

Important Note: Before purchasing a mobile router, always verify that your SIM card's frequency band is supported by the device. Roaming services, virtual SIM cards, IoT SIM cards, and wireless SIM cards may have specific compatibility requirements.