Cudy WR11000

Cudy Tri-Band WiFi 7 BE11000 Router (WR11000)

User Instruction Manual

1. Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Cudy Tri-Band WiFi 7 BE11000 Router, model WR11000. Please read this manual carefully before using the device to ensure proper functionality and optimal performance.
The Cudy WR11000 is a high-performance Tri-Band Wi-Fi 7 router designed to deliver exceptional speed and coverage for your home or office network. It features cutting-edge Wi-Fi 7 technology, multiple 2.5G ports, and advanced networking capabilities.

2. Package Contents

Verify that all items are present in your package:

- Cudy Tri-Band WiFi 7 BE11000 Router (WR11000)
- Power Adapter
- Ethernet Cable
- Quick Installation Guide

Note: The "Cassette" listed in some specifications refers to the packaging material and is not a functional component.

3. Hardware Overview

Familiarize yourself with the physical components and ports of your WR11000 router.



Figure 3.1: Front view of the Cudy WR11000 router, showing its six antennas and status indicator lights.



Figure 3.2: Rear panel of the Cudy WR11000, highlighting the 2.5G WAN port, three 2.5G LAN ports, WPS button, Reset button, Power port, and On/Off switch.

Ports and Buttons:

- **WAN Port (2.5G):** Connects to your modem or internet service provider's (ISP) equipment.
- **LAN Ports (3 x 2.5G):** Connect wired devices such as computers, gaming consoles, or network-attached storage (NAS).

- **WPS Button:** Used for Wi-Fi Protected Setup to quickly connect compatible devices.
- **Reset Button:** Press and hold to restore the router to factory default settings.
- **Power Port:** Connect the included power adapter.
- **On/Off Switch:** Powers the router on or off.

4. Setup Guide

Follow these steps to set up your Cudy WR11000 router.

4.1 Initial Connection

1. **Position the Router:** Place the router in a central location in your home or office, away from obstructions and sources of interference. Cudy recommends ensuring no more than two wooden or brick walls, or one concrete wall, between the router and each room for optimal signal.
2. **Connect to Power:** Connect the power adapter to the router's Power port and plug it into an electrical outlet.
3. **Connect to Internet:** Connect one end of the Ethernet cable to your modem's LAN port and the other end to the router's **WAN** port.
4. **Power On:** Press the On/Off switch to power on the router. Wait for the indicator lights to stabilize, indicating the router is ready.

4.2 Network Configuration

You can configure your router using the Cudy App or a web browser.

Using the Cudy App:

The Cudy App provides a streamlined way to set up and manage your network.

- Download the Cudy App from your device's app store.
- Follow the on-screen instructions within the app to detect and configure your WR11000 router.



Figure 4.1: Cudy App interface for network management.

Using a Web Browser:

1. **Connect to the Router:**
    - **Wired Connection:** Connect your computer to one of the router's LAN ports using an Ethernet cable.
    - **Wireless Connection:** Connect your Wi-Fi enabled device (smartphone, tablet, laptop) to the router's default Wi-Fi network (SSID and password are usually found on a label on the router).
2. **Access Web Interface:** Open a web browser and enter the default IP address (e.g.,192.168.1.1 or router.cudy.com) into the address bar. Refer to the label on your router for the exact address.

3. **Login:** Enter the default username and password (usuallyadmin for both, or as specified on the router label).
4. **Follow Setup Wizard:** The web interface will guide you through the initial setup process, including setting up your internet connection, Wi-Fi name (SSID), and password.

5. Operating Instructions

Once set up, your Cudy WR11000 router provides a robust network for various activities.

5.1 Wi-Fi Connectivity

The router supports Tri-Band Wi-Fi 7, offering speeds of 5760 Mbps on 6GHz, 4320 Mbps on 5GHz, and 688 Mbps on 2.4GHz.

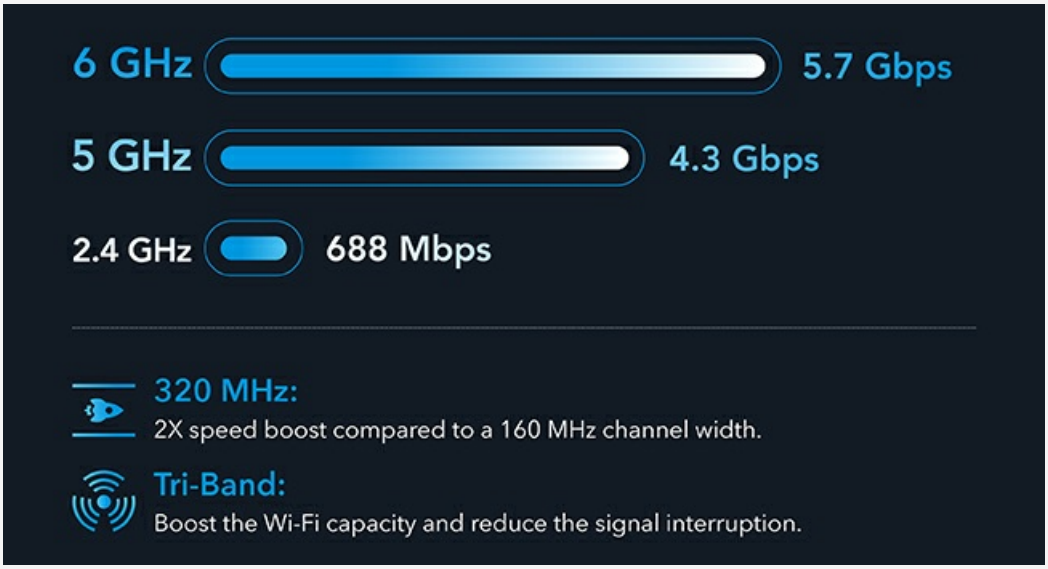


Figure 5.1: Wi-Fi Band Speeds and Benefits.

- **2.4 GHz Band:** Provides wider coverage and better penetration through walls, suitable for older devices and general browsing.
- **5 GHz Band:** Offers faster speeds and less interference, ideal for streaming HD video and online gaming.
- **6 GHz Band:** The newest band with the highest speeds and lowest latency, perfect for Wi-Fi 7 compatible devices and demanding applications.

To connect a device, select your Wi-Fi network (SSID) from the available networks list on your device and enter the Wi-Fi password.

5.2 Wired Connectivity

Utilize the four 2.5G WAN/LAN ports for high-speed wired connections to devices requiring maximum stability and bandwidth.

5.3 Advanced Features

- **VPN Client & Server Support:** The router supports various VPN protocols (WireGuard, OpenVPN, IPSec, L2TP, PPTP), allowing devices on your network to access remote VPN servers without individual software installation, or to host your own VPN server.
- **Cudy Mesh Support:** Build a seamless whole-home Wi-Fi network by connecting your WR11000 with other Cudy Mesh devices. This extends coverage and eliminates Wi-Fi dead zones.
- **QoS (Quality of Service):** Prioritize network traffic for specific applications or devices to ensure smooth

performance for critical tasks like gaming or video conferencing.

- **Remote Access:** Manage your router settings remotely using the Cudy App or web interface.
- **WPS (Wi-Fi Protected Setup):** Easily connect WPS-compatible devices by pressing the WPS button on the router and the device.



Figure 5.2: Supported VPN Protocols.



Figure 5.3: Cudy Mesh for Seamless Whole-Home Wi-Fi.

6. Maintenance

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

- **Firmware Updates:** Regularly check for and install firmware updates through the Cudy App or web interface. Firmware updates often include performance improvements, security patches, and new features.
- **Physical Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation openings are not blocked.
- **Restarting:** Periodically restart your router (power cycle) by unplugging it from the power outlet for 10-15 seconds and then plugging it back in. This can resolve minor network issues and improve performance.
- **Security:** Use strong, unique passwords for your Wi-Fi network and router's administrative interface. Enable WPA3 encryption if supported by your devices for enhanced security.

7. Troubleshooting

If you encounter issues with your Cudy WR11000 router, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
No Internet Access	Modem or router connection issue; ISP outage.	Check all cable connections (WAN port to modem). Restart both your modem and router. Verify your ISP service status.

Problem	Possible Cause	Solution
Slow Wi-Fi Speed	Interference; too many devices; outdated firmware; router placement.	Move router to a central location. Reduce interference from other electronics. Ensure devices are connected to the appropriate band (5GHz/6GHz for speed). Update router firmware.
Cannot Access Router Settings	Incorrect IP address or login credentials; network issue.	Ensure your device is connected to the router's network. Verify the router's IP address (check label). Try default login credentials (admin/admin). If forgotten, perform a factory reset (this will erase all settings).
Wi-Fi Disconnections	Signal interference; channel congestion; firmware issue.	Change Wi-Fi channels in router settings. Ensure router is not near other signal-emitting devices. Update firmware.

For further assistance, please visit the Cudy support website or contact their customer service.

8. Specifications

Detailed technical specifications for the Cudy WR11000 router.

Feature	Detail
Model Name	WR11000
Wi-Fi Standard	802.11be (Wi-Fi 7), 802.11ax (Wi-Fi 6), 802.11ac, 802.11a/b/g/n
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz, 6 GHz)
Max Wi-Fi Speed	Up to 11000 Mbps (5760 Mbps on 6GHz, 4320 Mbps on 5GHz, 688 Mbps on 2.4GHz)
Ethernet Ports	1 x 2.5G WAN Port, 3 x 2.5G LAN Ports
CPU	Qualcomm 1.5 GHz Quad-Core A53
Antennas	6 x High-gain Antennas
Special Features	QoS, Remote Access, WPS, VPN Client/Server, Cudy APP Control, Cudy Mesh Support
Dimensions (L x W x H)	6 x 1.9 x 9.96 inches
Item Weight	1.42 pounds
Manufacturer	Shenzhen Cudy Technology Co., Ltd.
First Available Date	December 23, 2024

9. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or visit the official Cudy website. Cudy offers various protection plans for extended coverage.

Customer Support:

Cudy provides customer support through their official website and the Cudy App. You can find FAQs, troubleshooting guides, and contact information for technical assistance.
Cudy's official videos are available to guide you step-by-step during setup and configuration processes.
Online Resources:

- Cudy Official Store on Amazon
- Cudy App (available on iOS and Android app stores)

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Model: WR11000

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

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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