Cudy WR3600H

Cudy BE3600 Dual-Band Wi-Fi 7 Router User Manual

Model: WR3600H (WIF-CU-00052)

Product Overview

The Cudy BE3600 Dual-Band Wi-Fi 7 Router (WR3600H) is designed to provide high-speed, reliable internet connectivity for home and small office environments. Featuring the latest Wi-Fi 7 technology, it offers enhanced performance, broader coverage, and support for numerous connected devices.



Figure 1: Top view of the Cudy BE3600 Dual-Band Wi-Fi 7 Router.

Key Features

- **Lightning-Fast Wi-Fi 7 Speeds:** Supports up to 3570 Mbps for smooth streaming, gaming, and browsing.
- **Multi-Gig Connectivity:** Equipped with a 2.5G WAN port and four Gigabit LAN ports for high-speed wired connections.
- **Extended Coverage:** Four external high-gain antennas combined with Beamforming technology provide a wider and more reliable Wi-Fi signal.
- **Powerful Processing:** Features a 2 GHz Quad-Core ARM A7 CPU, 512 MB RAM, and 128 MB ROM for efficient data handling and stable performance.
- **Extensive VPN Support:** Compatible with PPTP, L2TP, IPsec, OpenVPN, WireGuard, and Zerotier protocols for secure data transmission.
- **Parental Control:** Allows setting up profiles and policies to manage internet access for family members.
- **Easy Management:** Network setup and management are simplified through the intuitive Cudy app.

Package Contents

Ensure all items are present in the package before proceeding with the setup.

- Cudy BE3600 Wi-Fi 7 Router (WR3600H)
- Power Adapter
- Ethernet Cable
- Quick Installation Guide (not included in this manual)

Hardware Overview

Familiarize yourself with the ports and buttons on your Cudy BE3600 router.



Figure 2: Rear panel of the Cudy BE3600 Router, showing WAN, LAN, Reset, WPS, and Power ports.

- **WAN Port (2.5G):** Connects to your modem or internet service provider's (ISP) equipment.
- **LAN Ports (Gigabit x4):** Connect wired devices such as computers, gaming consoles, or smart TVs.
- **RESET Button:** Press and hold for approximately 6-8 seconds to restore factory default settings.
- **WPS Button:** Use for quick, secure connection of Wi-Fi Protected Setup (WPS) compatible devices.
- **POWER Port:** Connect the included power adapter.
- **LED Indicators:** Lights on the front panel indicate power, LAN activity, Wi-Fi status, and internet connection status.

Setup Guide

1. Hardware Connection

1. **Power Off:** Disconnect power from your modem and router (if replacing an existing one).
2. **Connect WAN:** Connect one end of the Ethernet cable to your modem's LAN port and the other end to the **WAN (2.5G)** port on your Cudy router.
3. **Connect Power:** Connect the included power adapter to the **POWER** port of the Cudy router and plug it into a power outlet.
4. **Power On:** Power on your modem first, wait for it to fully boot up (usually indicated by stable lights), then power on your Cudy router.
5. **Connect Devices:**
    - **Wired:** Connect your computer or other wired devices to any of the **LAN** ports on the router using Ethernet cables.
    - **Wireless:** Locate the Wi-Fi network name (SSID) and password printed on the label at the bottom of your router. Connect your wireless devices (smartphones, tablets, laptops) to this network.

2. Initial Configuration (Web Interface)

After connecting, you can access the router's web management interface for detailed configuration.

1. Open a web browser on a device connected to the router (wired or wireless).
2. In the address bar, type **192.168.10.1** and press Enter.
3. Follow the on-screen instructions to set up your administrator password and basic internet settings. It is recommended to change the default Wi-Fi name and password for security.

3. Cudy App Setup

The Cudy app provides a convenient way to manage your network from your smartphone.

- Download the Cudy app from the Google Play Store or Apple App Store.
- Open the app and follow the instructions to add your router and manage its settings.



Figure 3: Screenshot of the Cudy App interface for network management.

Operating Your Router

Wireless Network Configuration

- **Dual-Band Operation:** The router operates on both 2.4 GHz and 5 GHz frequencies. You can configure separate SSIDs for each band or use a single SSID with band steering.

- **Guest Network:** Create a separate Wi-Fi network for guests to provide internet access while isolating your main network for security.
- **WPS (Wi-Fi Protected Setup):** Press the WPS button on the router and on a WPS-compatible device to quickly establish a secure wireless connection without manually entering the password.

Advanced Network Settings

The web interface provides comprehensive options for network customization.

- **LAN Settings:** Configure the router's IP address, subnet mask, and DHCP server settings.
- **IPv6 Support:** Enable and configure IPv6 connectivity for future-proof networking.
- **QoS (Quality of Service):** Prioritize network traffic for specific applications or devices to ensure optimal performance for critical tasks like gaming or video conferencing.
- **DDNS (Dynamic DNS):** Access your home network remotely using a domain name, even if your public IP address changes.
- **Port Forwarding/Triggering:** Configure rules to allow external access to services on your local network, useful for gaming servers or surveillance systems.
- **VPN Server/Client:** Set up a VPN connection to securely access your home network from outside or to route your network traffic through a VPN service. Supported protocols include PPTP, L2TP, IPsec, OpenVPN, WireGuard, and Zerotier.
- **Cudy Mesh:** If you have multiple Cudy Mesh-compatible devices, they can work together to create a seamless whole-home Wi-Fi network.



Figure 4: Diagram illustrating Cudy Mesh for seamless whole-home Wi-Fi.

Security and Parental Control

The Cudy BE3600 router offers robust security features and parental controls to protect your network and manage internet usage.

- **Firewall:** Protects your network from unauthorized access and malicious attacks.
- **MAC/IP/Domain Filtering:** Control access to your network or specific websites based on MAC addresses, IP addresses, or domain names.
- **Parental Control:** Set up profiles for family members, schedule internet access times, and block inappropriate content to create a safer online environment.

Maintenance

Firmware Updates

Keeping your router's firmware up to date ensures optimal performance, security, and access to new features.

- To check for and apply firmware updates, navigate to the "System Settings" section in the web management

interface.

- Note that the router may require manual download of firmware files from the official Cudy website. Ensure you download the correct firmware version for your specific model (WR3600H).

System Management

- **Backup/Restore:** Save your router's configuration settings to a file and restore them later if needed.
- **Administration:** Manage administrator accounts and access permissions. It is highly recommended to set a strong, unique password for the admin account.
- **Reboot/Reset:**
  - **Reboot:** Restart the router through the web interface or by unplugging and replugging the power adapter.
  - **Reset:** Use the physical RESET button (press and hold for 6-8 seconds) to revert the router to its factory default settings. This will erase all custom configurations.
- **LED Control:** Option to control the behavior of the LED indicators on the router.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Cudy BE3600 router.

Problem	Possible Cause / Solution
No Internet Access	• Check if the WAN port LED is lit. If not, ensure the Ethernet cable from your modem is securely connected. • Reboot your modem and then your router. • Verify your internet connection settings in the router's web interface. • Contact your ISP to confirm service status.
Slow Wi-Fi Speed or Frequent Disconnections	• Ensure the router is placed in a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones). • Check for firmware updates and install the latest version. • Adjust Wi-Fi channel settings in the web interface to avoid interference from neighboring networks. • Reduce the number of connected devices or prioritize critical devices using QoS.
Cannot Access Web Management Interface	• Ensure your device is connected to the router's network (wired or wireless). • Verify you are typing the correct IP address:192.168.10.1. • Clear your browser's cache or try a different browser. • If you forgot the password, perform a factory reset using the RESET button.
Difficulty with Firmware Update	• Ensure you download the firmware file (.bin) directly from the official Cudy website for the WR3600H model. • Do not interrupt the update process (e.g., power loss). • If issues persist, contact Cudy support.

Problem	Possible Cause / Solution
Issues with DHCP Reservations	• When adding a new MAC address, ensure you select the "— custom —" option from the dropdown list to manually enter the MAC address if it's not already listed.

Specifications

Feature	Detail
Model Name	WR3600H
Item Model Number	WIF-CU-00052
Wi-Fi Standard	Wi-Fi 7 (802.11be), 802.11ax
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Max Wireless Speed	Up to 3570 Mbps
WAN Port	1 x 2.5G WAN Port
LAN Ports	4 x Gigabit LAN Ports
CPU	2 GHz Quad-Core ARM A7 CPU
Memory	512 MB RAM, 128 MB ROM
Antennas	4 x External Antennas
Special Features	Beamforming, QoS, Access Point Mode, LED Indicator, Multi-VPN Support, Parental Control
Product Dimensions	7.22 x 4.29 x 1.5 inches
Item Weight	11.7 ounces
Manufacturer	Shenzhen Cudy Technology Co., Ltd.

Support and Warranty

Customer Support

For further assistance, please refer to the following resources:

- **Cudy App:** Use the Cudy app for convenient network management and basic troubleshooting.
- **Official Cudy Website:** Visit the official Cudy website for the latest firmware updates, FAQs, and detailed support documentation.
- **Cudy Official Videos:** Cudy provides official videos that can guide you step-by-step through setup and configuration processes.

Warranty Information

Specific warranty details are typically provided with your product packaging or available on the official Cudy website. Please retain your proof of purchase for warranty claims.

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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

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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