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Cudy WR3600

Cudy BE3600 WR3600 WiFi 7 Gigabit Router User Manual

Model: WR3600

1. Introduction

This manual provides detailed instructions for setting up, operating, and maintaining your Cudy BE3600 WR3600 WiFi 7 Gigabit Router. Please read this guide thoroughly before using the device to ensure proper functionality and optimal performance.



Image 1.1: Front view of the Cudy BE3600 WR3600 WiFi 7 Gigabit Router.

2. Package Contents

Verify that your package contains the following items:

- Cudy BE3600 WR3600 WiFi 7 Gigabit Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide
- CD (containing drivers/manuals)

3. Product Overview

3.1 Hardware Features

The Cudy BE3600 WR3600 router is equipped with advanced features for high-speed and stable network performance.



Image 3.1: Overview of key features including WiFi 7, MLO, OFDMA, Multi-RU, Quad-Core ARM CPU, High-Gain Antennas, and Beamforming.

3.2 Ports and Buttons

Familiarize yourself with the ports and buttons on the rear panel of your router:



Image 3.2: Rear panel showing the Gigabit WAN port, four Gigabit LAN ports, WPS button, Reset button, and Power port.

- **WAN Port (Internet)**: Connects to your modem or internet service provider's equipment.
- **LAN Ports (1-4)**: Connects to wired devices such as desktop computers, smart TVs, or gaming consoles.
- **WPS Button**: Initiates a Wi-Fi Protected Setup connection for compatible devices.
- **Reset Button**: Press and hold for 6-8 seconds to restore factory default settings.
- **Power Port**: Connects to the included power adapter.

4. Setup Guide

4.1 Hardware Connection

1. **Power Off**: Disconnect power from your modem and router (if applicable).
2. **Connect Modem**: Connect one end of an Ethernet cable to your modem's LAN port and the other end to the **WAN port** (labeled 'Internet') on your Cudy router.
3. **Connect Power**: Connect the included power adapter to the router's power port and then 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 LED lights), then power on your Cudy router.
5. **Verify LEDs**: Wait for the router's LED indicators to stabilize, indicating a successful connection.

4.2 Initial Configuration (Web Interface)

1. **Connect to Router**: Connect your computer or mobile device to the router's Wi-Fi network (SSID and password are on the label at the bottom of the router) or via an Ethernet cable to one of the LAN ports.
2. **Access Web Interface**: Open a web browser and enterhttp://cudy.net or http://192.168.10.1 in the address bar.
3. **Login**: Enter the default login credentials (usually 'admin' for both username and password, as printed on the router label).
4. **Follow Setup Wizard**: The router's web interface will guide you through the initial setup process, including setting a new administrator password, configuring internet connection type, and customizing Wi-Fi settings.

4.3 Cudy App Setup

For convenient management, download the Cudy App from your device's app store. The app allows you to set up and manage your network from your smartphone.



Image 4.1: Screenshot of the Cudy App dashboard for network management.

5. Operating Instructions

5.1 Connecting Devices

You can connect devices to your Cudy router via Wi-Fi or Ethernet cable.

- **Wi-Fi Connection**: Search for your Wi-Fi network name (SSID) on your device and enter the password. The router supports dual-band Wi-Fi 7 (2.4 GHz and 5 GHz) for optimal performance.
- **Wired Connection**: Use an Ethernet cable to connect your device to any of the router's LAN ports.



Image 5.1: The router supports connecting over 200 devices simultaneously.

5.2 VPN Client and Server

The Cudy BE3600 WR3600 supports VPN client and server functionalities, allowing secure remote access or connecting your entire network to a VPN service.

- **VPN Client**: Configure the router to connect to a remote VPN server, allowing all devices on your network to access the VPN without individual software installation.

- **VPN Server**: Set up the router as a VPN server to securely access your home network from a remote location.

Supported VPN protocols include WireGuard, OpenVPN, IPSec, L2TP, and PPTP. Detailed configuration steps are available in the router's web interface under the VPN settings section.



Image 5.2: Icons representing supported VPN protocols: WireGuard, OpenVPN, IPSec, L2TP, and PPTP.

5.3 Easy Mesh Configuration

The Cudy BE3600 WR3600 is EasyMesh compatible, allowing it to work with other EasyMesh routers and range extenders to create a seamless whole-home Mesh Wi-Fi network.

1. **Primary Router Setup**: Configure one Cudy EasyMesh compatible router as the primary router.
2. **Add Mesh Nodes**: Add other EasyMesh compatible devices as satellite nodes through the router's web interface or Cudy App.
3. **Seamless Coverage**: The Mesh system provides unified Wi-Fi coverage, eliminating dead zones and ensuring stable connections as you move throughout your home.



Image 5.3: Diagram illustrating a seamless whole-home Wi-Fi network using Cudy Mesh technology.

6. Maintenance

6.1 Firmware Updates

Regularly updating your router's firmware ensures optimal performance, security, and access to new features. Check for updates via the router's web interface (System Tools > Firmware Upgrade) or the Cudy App.

6.2 Resetting the Router

If you encounter persistent issues or wish to clear all configurations, you can reset the router to its factory default settings:

- With the router powered on, use a paperclip or a thin object to press and hold the **Reset button** on the rear panel for approximately 6-8 seconds.
- Release the button when the LED indicators flash, indicating the reset process has begun.
- The router will restart with factory default settings. You will need to reconfigure it.

6.3 Optimal Placement

For the best Wi-Fi coverage and performance, consider the following placement guidelines:

- Place the router in a central location within your home or office.
- Avoid placing the router near large metal objects, concrete walls, or appliances that emit electromagnetic interference (e.g., microwaves, cordless phones).
- Ensure there are no more than two wooden or brick walls, or one concrete wall, between the router and your devices for optimal signal strength.



Image 6.1: The router can be wall-mounted for optimal placement and signal distribution.

7. Troubleshooting

7.1 No Internet Access

- Check all cable connections: Ensure the Ethernet cable from your modem is securely connected to the router's WAN port.
- Restart devices: Power cycle your modem and router. Wait for both devices to fully boot up.
- Verify modem status: Ensure your modem is receiving an internet signal (check its indicator lights).
- Router configuration: Log into the router's web interface and verify your internet connection settings (e.g., PPPoE, Dynamic IP, Static IP).

7.2 Slow Wi-Fi Speed or Frequent Disconnections

- Router placement: Relocate the router to a more central position, away from obstructions and interference sources.
- Channel interference: In the router's Wi-Fi settings, try changing the Wi-Fi channel for both 2.4 GHz and 5 GHz bands to a less congested one.
- Firmware update: Ensure your router's firmware is up to date.
- Device compatibility: Ensure your devices support Wi-Fi 7 or at least Wi-Fi 6/6E for optimal performance.

7.3 Cannot Access Router's Web Interface

- IP address: Ensure you are using the correct IP address (http://cudy.net or http://192.168.10.1).
- Network connection: Verify your device is connected to the router's network (either Wi-Fi or Ethernet).
- Browser issues: Try a different web browser or clear your browser's cache.
- Firewall/Antivirus: Temporarily disable any firewall or antivirus software on your computer that might be blocking access.

8. Specifications

Feature	Detail
Model Name	WR3600
Wireless Standard	802.11be (WiFi 7), 802.11ax (WiFi 6)
Frequency Band	Dual-Band (2.4 GHz, 5 GHz)
Max Speed	Up to 3570 Mbps
Antennas	High-Gain Antennas
Processor	2 GHz Quad-Core ARM A7 CPU (Broadcom)
Memory	512 MB RAM, 128 MB ROM
Ethernet Ports	1x Gigabit WAN, 4x Gigabit LAN
Special Features	Access Point Mode, Remote Access, WPS, VPN Client/Server, Easy Mesh, Cloud Control, Cudy APP

Compatible Devices	SmartTV, Smart Phone, IP Camera, etc.
Product Dimensions	7.22 x 4.29 x 1.5 inches
Item Weight	2.2 pounds
Color	Black

9. Support and Warranty

For technical support, firmware updates, and additional resources, please visit the official Cudy website or contact Cudy customer support.
Information regarding product warranty is typically included with your purchase documentation or available on the official Cudy website.
Cudy Website: www.cudy.com

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