Cudy LT700

Cudy New 4G LTE Cat 6 WiFi Router User Manual

Model: LT700

Brand: Cudy

1. Introduction

This manual provides detailed instructions for the installation, configuration, and operation of your Cudy LT700 4G LTE Cat 6 WiFi Router. Please read this manual thoroughly before using the device to ensure proper functionality and optimal performance. The Cudy LT700 is designed to provide high-speed internet connectivity using 4G LTE cellular networks, offering reliable Wi-Fi and wired connections for various applications.

2. Package Contents

Verify that all items are present in your package:

- Cudy LT700 4G LTE Cat 6 WiFi Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide

3. Product Overview

The Cudy LT700 router features a sleek design with multiple external antennas for enhanced signal reception and transmission. It includes various ports and LED indicators for status monitoring.

3.1 Front Panel

The front panel of the router features LED indicators that display the device's operational status, including power, internet connectivity, and Wi-Fi status.



Figure 3.1: Front view of the Cudy LT700 router showing LED indicators.

3.2 Rear Panel

The rear panel provides all necessary physical connections, including power input, Ethernet ports, and SIM card slots.



Figure 3.2: Rear panel of the Cudy LT700 with ports and antenna connectors.

- **Power Port:** Connects to the included power adapter.
- **On/Off Button:** Powers the device on or off.
- **Reset Button:** Used to restore factory default settings.

- **WAN/LAN Ports:** Four Gigabit Ethernet ports for wired connections. One port can function as a WAN port for landline internet.
- **Cellular Antenna Connectors:** Four SMA connectors for external cellular antennas.
- **SIM Card Slots:** Two Nano SIM card slots for cellular connectivity.

4. Setup Instructions

Follow these steps to set up your Cudy LT700 router for the first time.

4.1 SIM Card Installation

1. Ensure the router is powered off.
2. Locate the Nano SIM card slots on the rear panel.
3. Insert your Nano SIM card(s) into the designated slot(s) until it clicks into place. The router supports dual SIM for redundancy.

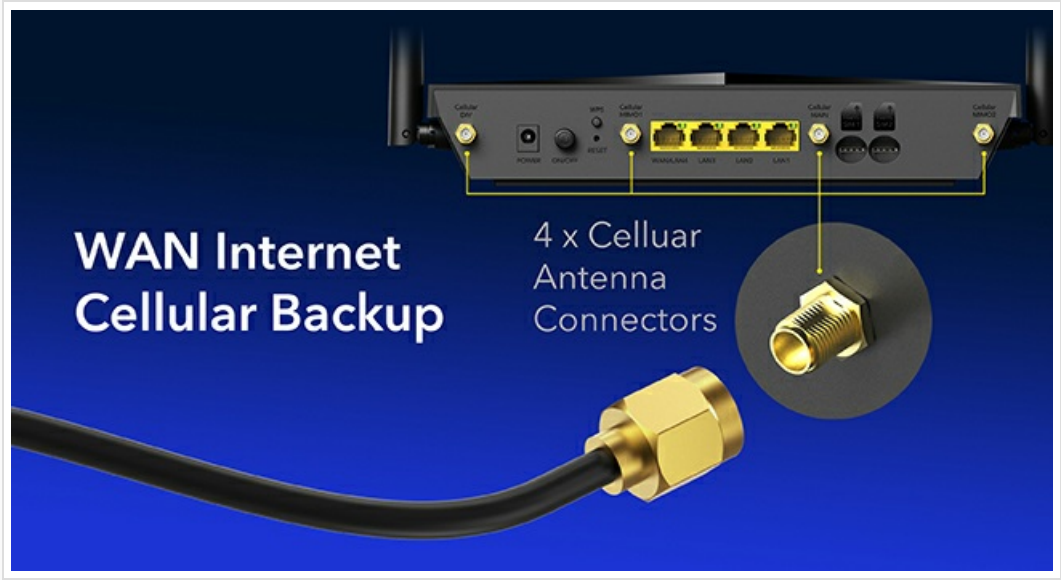


Figure 4.1: Inserting Nano SIM cards into the router.

4.2 Antenna Installation

The router comes with four cellular antennas and two Wi-Fi antennas. Attach them to their respective connectors on the rear panel. Ensure they are securely tightened for optimal signal.

4.3 Powering On

1. Connect the power adapter to the router's power port and then to a power outlet.
2. Press the On/Off button. The power LED indicator on the front panel should light up.
3. Wait for the router to boot up. The cellular and Wi-Fi LED indicators will illuminate once a connection is established.



Figure 4.2: Simple plug and play setup process.

5. Operating Instructions

5.1 Connecting Devices

You can connect devices to the Cudy LT700 router via Wi-Fi or Ethernet cable.

- **Wi-Fi Connection:** Search for the Wi-Fi network name (SSID) printed on the label at the bottom of the router. Enter

the Wi-Fi password (also on the label) to connect your wireless devices.

- **Ethernet Connection:** Use an Ethernet cable to connect your computer or other wired devices to any of the LAN ports on the router's rear panel.

5.2 Accessing the Web Management Interface

To configure advanced settings, access the router's web management interface:

1. Connect your device to the router via Wi-Fi or Ethernet.
2. Open a web browser and enter the default IP address (e.g.,192.168.10.1) into the address bar. This IP address is typically found on the router's label.
3. Enter the default username and password (also on the label) to log in.
4. You can now configure various settings, including Wi-Fi name, password, network modes, and advanced features.

6. Advanced Features

6.1 Fast 4G LTE Cat.6 Connectivity

The Cudy LT700 utilizes 3GPP UE downlink Category 6 (LTE-A technology) to achieve data rates of up to 300 Mbps downlink and 50 Mbps uplink. Its built-in 4x4 MIMO high-performance antennas enhance service capacity and expand internet coverage.



Figure 6.1: Comparison of Cat.6 and Cat.4 LTE speeds with 4x4 MIMO.

6.2 Dual SIM and WAN Failover

The dual SIM slots provide redundancy, ensuring continuous internet access. You can configure the router to automatically switch between SIM cards or use a landline internet connection (via WAN port) as the primary, with 3G/4G as a backup.

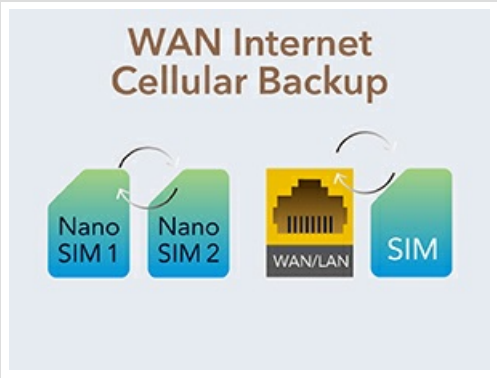


Figure 6.2: WAN Internet Cellular Backup configuration.

6.3 Multiple VPN Clients

The router supports various VPN protocols, including PPTP, L2TP, OpenVPN, WireGuard, IPsec, and Zerotier. This allows for secure data transmission and remote access to your network.



Figure 6.3: Supported VPN client types.

6.4 4G Band Lock

This feature allows you to manually select specific LTE bands, which can be useful for optimizing signal strength and stability in certain environments.

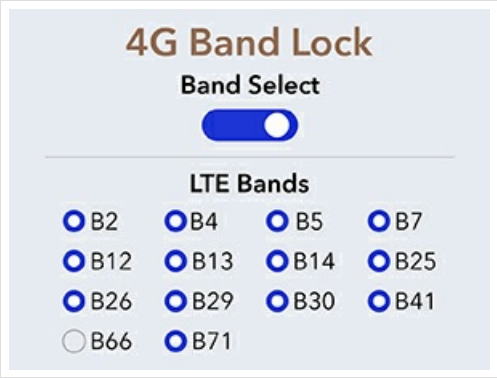


Figure 6.4: 4G Band Lock settings interface.

6.5 TTL Settings

The router supports TTL (Time To Live) settings, which can be adjusted for specific network configurations or to bypass certain carrier restrictions.

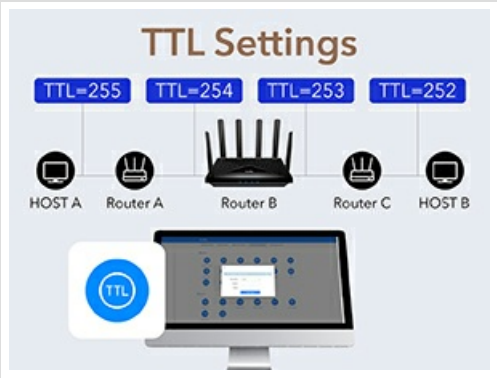


Figure 6.5: TTL Settings configuration.

6.6 DNS over TLS

For enhanced privacy and security, the router supports DNS over TLS, allowing you to encrypt your DNS queries with providers like Cloudflare, Google, or Quad9.

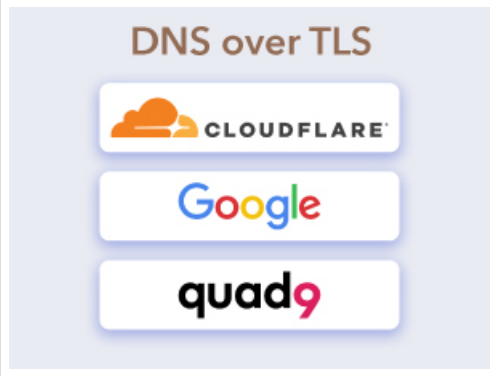


Figure 6.6: DNS over TLS options.

6.7 Cudy App and Mesh Support

Manage your router conveniently using the Cudy App. The LT700 also supports Cudy Mesh, allowing it to work with other Cudy Mesh devices for seamless whole-home Wi-Fi coverage.



Figure 6.7: Cudy App for management and Cudy Mesh for extended coverage.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your router.

- **Firmware Updates:** Periodically check the Cudy official website for firmware updates. Updating the firmware can improve performance, add new features, and fix security vulnerabilities.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation openings are not blocked.
- **Placement:** Place the router in a central location, away from obstructions and sources of interference (e.g.,

microwaves, cordless phones). Avoid direct sunlight and extreme temperatures.

- **Restart:** If you experience network issues, try restarting the router by unplugging the power adapter for 10 seconds and then plugging it back in.

8. Troubleshooting

This section addresses common issues you might encounter with your Cudy LT700 router.

Problem	Possible Cause	Solution
No Internet Access	SIM card not inserted correctly or not activated. No cellular signal. WAN connection issue.	Ensure SIM card is properly inserted and activated with your carrier. Check cellular signal strength. Verify WAN cable connection if using landline internet. Restart the router.
Slow Wi-Fi Speed	Poor signal strength. Network congestion. Outdated firmware.	Relocate the router to a central position. Reduce interference from other devices. Update router firmware. Limit the number of connected devices or bandwidth usage.
Cannot Access Web Management Interface	Incorrect IP address. Device not connected to router. Browser cache issues.	Verify the router's IP address (check label). Ensure your device is connected to the router's Wi-Fi or LAN. Clear browser cache or try a different browser.
Wi-Fi Disconnects Frequently	Interference. Overlapping Wi-Fi channels. Router overheating.	Change Wi-Fi channel in router settings. Ensure proper ventilation for the router. Check for firmware updates.

9. Specifications

Key technical specifications for the Cudy LT700 4G LTE Cat 6 WiFi Router.

- **Product Dimensions:** 9.94 x 6.34 x 1.9 inches
- **Item Weight:** 14.1 ounces
- **Item Model Number:** LT700
- **Brand:** Cudy
- **Model Name:** 4G LTE Cat 6 AC1200 Gigabit Wi-Fi Router
- **Special Feature:** Remote Access, WPS
- **Frequency Band Class:** Dual-Band (2.4GHz and 5GHz)
- **Wireless Communication Standard:** 802.11ac
- **Compatible Devices:** Personal Computer, Security Camera, Smart Television, Smartphone, Tablet
- **Recommended Uses For Product:** Indoor/Outdoor
- **Connectivity Technology:** Ethernet, 4G LTE
- **Antenna Type:** Fixed (External, detachable cellular antennas)
- **Manufacturer:** Shenzhen Cudy Technology Co., Ltd.
- **Date First Available:** November 22, 2022

10. Warranty and Support

Cudy products typically come with a limited warranty. For specific warranty details, please refer to the warranty card included in your product package or visit the official Cudy website. For technical support, firmware downloads, and frequently asked questions, please visit the Cudy support page or contact their customer service directly.

Cudy Official Website: www.cudy.com

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

Anonymous

Email

you@example.com

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