

## Cudy LT300

# Cudy LT300 4G LTE Wi-Fi Router User Manual

Model: LT300

## 1. INTRODUCTION

The Cudy LT300 is a 4G LTE Wi-Fi Router designed to provide high-speed internet access using a cellular SIM card. It supports LTE download speeds of up to 150 Mbps and Wi-Fi speeds of up to 300 Mbps. This manual provides instructions for setting up, configuring, and maintaining your LT300 router.

## 2. PACKAGE CONTENTS

Please check the package contents carefully. If any item is missing or damaged, contact your retailer.

- Cudy LT300 4G LTE Wi-Fi Router
- Power Adapter
- Ethernet Cable
- Detachable LTE Antennas (x2)
- SIM Card Adapters (Nano to Micro, Nano to Standard)
- Quick Installation Guide

## 3. PRODUCT OVERVIEW

### 3.1. Hardware Components

Familiarize yourself with the ports, buttons, and LED indicators on your Cudy LT300 router.



Figure 1: Front view of the Cudy LT300 router, showing the power, Wi-Fi, LTE signal, and LAN/WAN LED indicators.

- **Power LED:** Indicates power status.
- **Wi-Fi LED:** Indicates Wi-Fi status.
- **LTE Signal LEDs:** Indicate 4G LTE signal strength.
- **LAN/WAN LEDs:** Indicate Ethernet port activity.



Figure 2: Rear view of the Cudy LT300 router, displaying the power port, LAN/WAN ports, SIM card slot, and WPS/Reset button.

- **Power Port:** Connect the included power adapter.
- **LAN/WAN Ports:** Gigabit Ethernet ports for wired connections. One port can function as WAN for wired internet.
- **SIM Card Slot:** Insert your 4G LTE SIM card here.
- **WPS/Reset Button:** Press for WPS function. Press and hold for 5-8 seconds to factory reset.
- **Antenna Connectors:** Connect the detachable LTE antennas.

## 4. SETUP

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### 4.1. Install LTE Antennas

Screw the two detachable LTE antennas into the connectors on the rear panel of the router. Ensure they are securely tightened and oriented vertically for optimal signal reception.

### 4.2. Insert SIM Card

The Cudy LT300 uses a standard-sized SIM card. If your SIM card is Nano or Micro, use the provided SIM card adapters to fit it into the standard slot.

1. Ensure the router is powered off.
2. Locate the SIM card slot on the rear panel.
3. Insert the SIM card into the slot with the metal contacts facing down and the notched corner oriented correctly, as indicated on the router. Push until it clicks into place.
4. If removing, gently push the SIM card in again until it springs out.



Figure 3: Illustration of inserting a SIM card into the Cudy LT300 router's SIM card slot.

### 4.3. Power On

Connect the power adapter to the router's power port and then plug the other end into a power outlet. The Power LED will illuminate, and the router will begin to boot up. This process may take approximately 30-60 seconds.

## 5. CONFIGURATION

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### 5.1. Accessing the Web Management Interface

To configure your router, you need to access its web-based management interface.

1. Connect your computer to the router via Wi-Fi (SSID and password are on the label at the bottom of the router) or an Ethernet cable.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. Type the default IP address **192.168.10.1** into the address bar and press Enter.
4. Enter the default login credentials. The default username is **admin** and the default password is **admin** (or as printed on the router label).
5. Follow the on-screen instructions for the initial setup wizard, if prompted. It is recommended to change the default login password for security.

### 5.2. Basic Wi-Fi Settings

Navigate to the "Wireless" or "Wi-Fi Settings" section in the web interface to customize your wireless network.

- **SSID (Network Name):** Change the default Wi-Fi network name to a unique name.
- **Password (Security Key):** Set a strong, secure password for your Wi-Fi network. WPA2-PSK AES is recommended.
- **Security Mode:** Select WPA2-PSK.

### 5.3. LTE/Internet Settings

The router should automatically detect your SIM card and configure the LTE connection. If not, you may need to manually configure the APN (Access Point Name) settings provided by your mobile operator.

1. Go to the "Network" or "LTE Settings" section.
2. Check the connection status. If "Disconnected" or "Limited," verify APN settings.
3. Select "Manual" APN configuration if automatic fails and enter the correct APN, username, and password from your mobile operator.
4. Save changes and reboot the router if prompted.

### 5.4. VoLTE Configuration

The Cudy LT300 supports VoLTE functionality. If your SIM card and mobile operator support VoLTE, you may find settings under "Voice" or "VoLTE" in the web interface to enable or configure this feature. Consult your mobile operator for specific VoLTE settings if required.

## 6. OPERATING

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### 6.1. Connecting Devices

- **Wi-Fi:** On your device (smartphone, tablet, laptop), search for the Wi-Fi network name (SSID) you configured and enter the Wi-Fi password.
- **Ethernet:** Connect an Ethernet cable from a LAN port on the router to the Ethernet port on your computer or other wired device.

### 6.2. LED Indicators

Monitor the LED indicators on the front panel to understand the router's status:

- **Power LED:** Solid Green (On), Off (Off).
- **Wi-Fi LED:** Solid Green (Wi-Fi On), Blinking (Data Transfer), Off (Wi-Fi Off).
- **LTE Signal LEDs:** Indicate signal strength (e.g., 3 bars for strong, 1 bar for weak).
- **LAN/WAN LEDs:** Solid Green (Connected), Blinking (Data Transfer), Off (No Connection).

## 7. MAINTENANCE

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### 7.1. Firmware Update

Regularly check for and install firmware updates to ensure optimal performance and security. Firmware files can usually be downloaded from the Cudy official website.

1. Download the latest firmware file for your LT300 model.
2. Access the web management interface.
3. Navigate to "System Tools" or "Firmware Upgrade."

4. Upload the downloaded firmware file and follow the on-screen instructions. Do not power off the router during the upgrade process.

## 7.2. Factory Reset

A factory reset will restore the router to its default settings. This can be useful for troubleshooting or if you forget your login password.

- With the router powered on, press and hold the WPS/Reset button on the rear panel for 5-8 seconds until the LEDs flash.
- Release the button. The router will reboot with factory default settings.

## 8. TROUBLESHOOTING

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- **No Internet Connection:**
  - Check if the SIM card is inserted correctly and activated.
  - Verify LTE signal strength via the LED indicators.
  - Ensure APN settings are correct in the web interface.
  - Reboot the router and your connected devices.
- **Cannot Access Web Management Interface:**
  - Ensure your device is connected to the router's Wi-Fi or via Ethernet.
  - Verify the IP address **192.168.10.1** is typed correctly.
  - Try a different web browser.
  - Perform a factory reset if you forgot the login password.
- **Slow Wi-Fi Speed:**
  - Check LTE signal strength; a weak signal will affect overall speed.
  - Ensure the router is placed in a central location, away from obstructions and interference.
  - Reduce the number of connected devices or bandwidth-intensive activities.
  - Consider changing the Wi-Fi channel in the web interface.

## 9. SPECIFICATIONS

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| Feature                 | Description                         |
|-------------------------|-------------------------------------|
| Model Name              | LT300                               |
| Brand                   | Cudy                                |
| Connectivity Technology | Wi-Fi, 4G LTE                       |
| Wireless Standard       | 802.11ac                            |
| Frequency Band Class    | Dual Band                           |
| LTE Download Speed      | Up to 150 Mbps                      |
| Wi-Fi Speed             | Up to 300 Mbps                      |
| Special Features        | VoLTE support, 4G LTE functionality |

|                    |                                  |
|--------------------|----------------------------------|
| Compatible Devices | Smartphone, Tablet               |
| Operating System   | RouterOS                         |
| Security Protocol  | WPS                              |
| Ports              | Gigabit Ethernet ports (LAN/WAN) |

## 10. SAFETY INFORMATION

- Do not expose the device to water or humidity.
- Do not attempt to disassemble or repair the device yourself.
- Use only the provided power adapter.
- Keep the device away from heat sources and direct sunlight.
- Ensure proper ventilation around the device.

## 11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in the package or visit the official Cudy website. Support resources typically include FAQs, firmware downloads, and contact information.

