NETGEAR CG3000D-100NAS

NETGEAR DOCSIS 3.0 Cable Modem Router (CG3000D-100NAS) Instruction Manual

1. INTRODUCTION

The NETGEAR CG3000D DOCSIS 3.0 Cable Modem Router is designed to provide high-performance wired and wireless connectivity for home and small business networks. This device supports blazing-fast data transfers, Voice over IP (VoIP), High-Definition (HD) media streaming, and online gaming. It features four Gigabit Ethernet ports for maximum wired speeds and Wireless-N 300 for exceptional range and speed. This model is specifically compatible with Charter internet services.

2. SETUP GUIDE

Follow these steps to set up your NETGEAR CG3000D-100NAS Cable Modem Router:

1. **Unpack the Device:** Carefully remove the modem router and all accessories from its packaging.

2. **Connect the Coaxial Cable:** Connect one end of the coaxial cable (not included) to the cable wall outlet and the other end to the Cable port on the back of the modem router. Ensure the connection is finger-tight.

3. **Connect Power:** Plug the power adapter into the modem router's Power input and then into an electrical outlet. The power LED on the front of the device should illuminate.

4. **Power On:** Press the Power On/Off button on the back of the device. Allow several minutes for the modem router to boot up and establish a connection with your Internet Service Provider (ISP). The Internet LED on the front panel should turn solid green or blue once connected.

5. **Connect a Computer (Optional for initial setup):** For initial configuration or wired access, connect an Ethernet cable from one of the yellow Gigabit Ethernet LAN ports on the modem router to the Ethernet port on your computer.

6. **Activate with ISP:** Contact your Internet Service Provider (Charter) to activate your new modem router. You will need to provide the Serial Number and MAC Address, which are typically found on a label on the bottom of the device.

7. **Access Router Settings (Optional):** Once activated, you can access the router's configuration page by opening a web browser on a connected computer and typing 192.168.0.1 into the address bar. The default username is typically admin and the default password is password. Refer to the label on the device for specific

login credentials.

8. **Configure Wi-Fi:** From the router's configuration page, navigate to the Wi-Fi settings to change the network name (SSID) and set a strong password for your wireless network.

Figure 1: Front view of the NETGEAR CG3000D-100NAS Cable Modem Router.

Figure 2: Back view of the NETGEAR CG3000D-100NAS Cable Modem Router, showing Ethernet LAN ports, USB port, coaxial cable connector, power adapter input, and power on/off button.
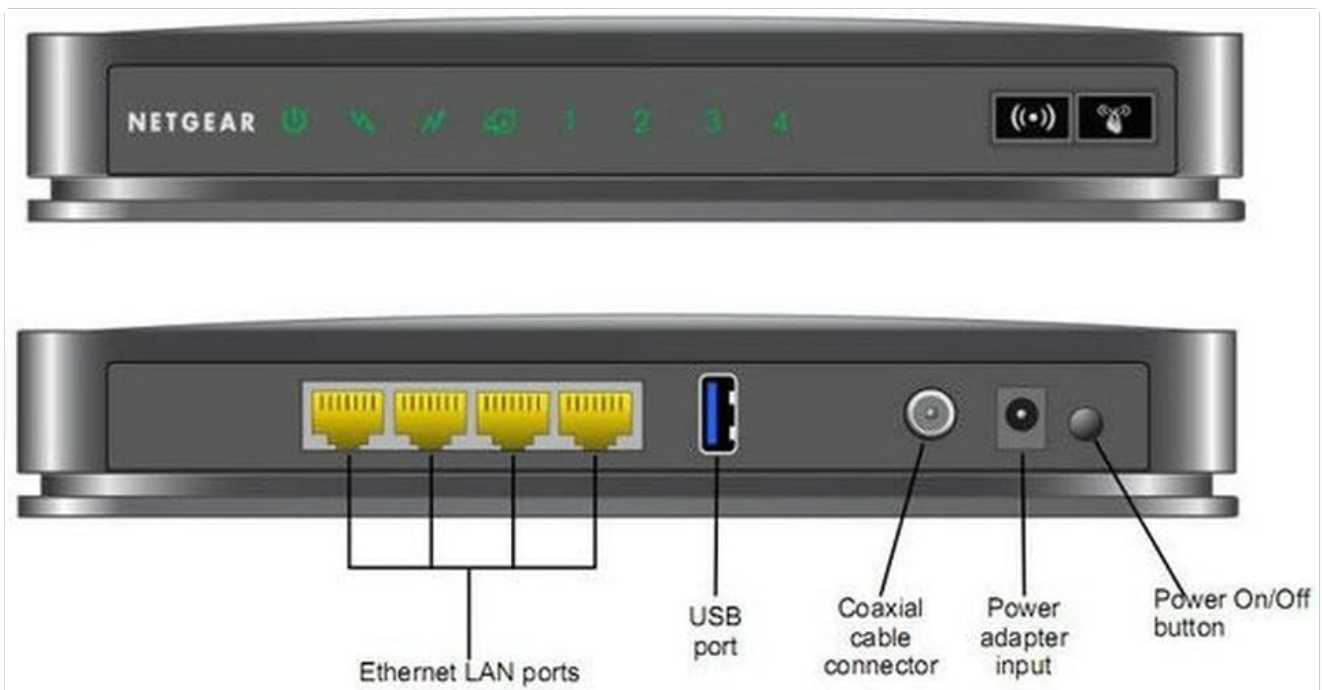

Figure 3: Detailed diagram illustrating the Ethernet LAN ports, USB port, coaxial cable connector, power adapter input, and power on/off button on the NETGEAR CG3000D-100NAS.

Related Setup Video (Generic Example)

Video 1: This video demonstrates a generic setup process for a WiFi router, including connecting the power adapter and Ethernet cables. While it features a different brand (DBIT N300), the fundamental connection steps are similar. Please refer to the specific instructions above for your NETGEAR CG3000D-100NAS.

3. OPERATING YOUR MODEM ROUTER

The NETGEAR CG3000D-100NAS provides both wired and wireless connectivity. It supports Wireless-N 300 for

wireless devices and includes four Gigabit Ethernet ports for high-speed wired connections. This allows multiple devices to connect simultaneously for various activities such as streaming, gaming, and general internet browsing.

Understanding Router and Modem Functionality

Video 2: This official NETGEAR video explains the fundamental roles of a WiFi router and a cable modem in providing internet access. It highlights the importance of matching your modem and router to your internet speed plan for optimal performance. While the video mentions WiFi 7 routers, the core concepts of modem and router functionality apply to your CG3000D-100NAS.

4. MAINTENANCE

To ensure optimal performance and longevity of your NETGEAR CG3000D-100NAS, consider the following maintenance tips:

- **Regular Reboots:** Periodically reboot your modem router (unplug from power for 30 seconds, then plug back in) to refresh its connection and clear any temporary issues.

- **Placement:** Place the modem router in a central location, away from obstructions and other electronic devices that may cause interference.

- **Keep Ventilated:** Ensure the device has adequate ventilation to prevent overheating. Do not cover the ventilation openings.

- **Firmware Updates:** Check the NETGEAR support website for any available firmware updates for your model. Keeping the firmware updated can improve performance and security.

5. TROUBLESHOOTING

If you encounter issues with your NETGEAR CG3000D-100NAS, try the following troubleshooting steps:

- **No Internet Connection:**

  - Verify all cables are securely connected.
  - Power cycle the modem router (unplug for 30 seconds, then plug back in).
  - Ensure your ISP has activated the modem router.
  - Check the status of the Internet LED on the front panel. If it's not solid green/blue, there might be an issue with your ISP connection.

- **Slow Wireless Speeds or Dropped Connections:**

  - Try moving closer to the modem router to improve signal strength.
  - Reduce interference by moving other electronic devices away from the modem router.
  - Access the router's configuration page (192.168.0.1) and ensure Wi-Fi settings are optimized.
  - Perform a 30/30/30 reset (hold reset button for 30 seconds, unplug for 30 seconds, plug back in and hold reset for another 30 seconds) to restore factory defaults. Note: This will erase all custom settings.

- **Cannot Access Router Configuration Page:**

  - Ensure your computer is connected directly to the modem router via an Ethernet cable.
  - Confirm you are using the correct IP address (192.168.0.1) and login credentials (default: admin/password).
  - Clear your web browser's cache and cookies, or try a different browser.

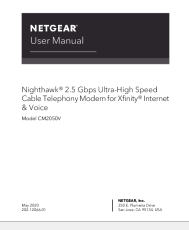## 6. SPECIFICATIONS

Feature	Specification
Model Number	CG3000D-100NAS
Brand	NETGEAR
Wireless Type	802.11bgn (Wireless-N 300)
DOCSIS Standard	DOCSIS 3.0 (8 Downstream x 4 Upstream Channels)
Max Speed	Up to 400 Mbps
Ethernet Ports	4 Gigabit Ethernet ports
Operating System	ZyNOS
Dimensions (LxWxH)	12.33 x 7.13 x 3.66 inches
Item Weight	1.86 pounds
Voltage	100-240 Volts
Compatible Devices	Personal Computer
Recommended Uses	Gaming

7. WARRANTY AND SUPPORT

This NETGEAR CG3000D-100NAS Cable Modem Router is specifically compatible with Charter internet services. Please note that NETGEAR technical support does not provide direct support for this model. For technical assistance related to its operation or connectivity, please contact Charter customer support.

This product typically comes with a 30-day warranty from the seller. Please refer to your purchase documentation for specific warranty terms and conditions.

Related Documents - CG3000D-100NAS

	NETGEAR Nighthawk C7000v2 AC1900 WiFi Cable Modem Router Quick Start Guide This guide provides essential information for setting up and using the NETGEAR Nighthawk C7000v2 AC1900 WiFi Cable Modem Router. It includes detailed LED status explanations, package contents, step-by-step installation instructions for various internet service providers (ISPs) like Xfinity, Cox, Spectrum, and others, as well as support and legal information.
	NETGEAR AC1900 WiFi Cable Modem Router C7000v2 Quick Start Guide This quick start guide provides essential information for setting up and using the NETGEAR AC1900 WiFi Cable Modem Router, Model C7000v2. It covers installation steps, activating your internet service with various providers, connecting to WiFi, managing router settings, accessing USB storage via ReadySHARE, wireless printing, and utilizing the NETGEAR genie app for network management.

	[NETGEAR Orbi CBR750 Quick Start Guide: Setup and Activation](#) Get started with your NETGEAR Orbi CBR750 cable modem router. This quick start guide provides step-by-step instructions for setup, activation, and connecting to your internet service provider.
	[NETGEAR Nighthawk CM3000 2.5 Gbps Cable Modem Quick Start and User Manual](#) Comprehensive guide for setting up, activating, and managing the NETGEAR Nighthawk CM3000 2.5 Gbps DOCSIS 3.1 Cable Modem. Includes package contents, LED descriptions, installation steps, network management, troubleshooting, and technical specifications.
	[NETGEAR Nighthawk CM2050V User Manual: Setup, Features, and Troubleshooting](#) User manual for the NETGEAR Nighthawk CM2050V 2.5 Gbps Ultra-High Speed Cable Telephony Modem for Xfinity Internet & Voice. Covers hardware setup, voice line monitoring, network management, troubleshooting, and technical specifications.
	[NETGEAR Nighthawk AX2700 WiFi Cable Modem Router CAX30 Quick Start Guide](#) Quick start guide for the NETGEAR Nighthawk AX2700 WiFi Cable Modem Router (Model CAX30), covering LED indicators, setup, and internet activation with ISP contact information.