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> [NETGEAR C3000-100NAS N300 WiFi DOCSIS 3.0 Cable Modem Router User Manual](#)

NETGEAR C3000-100NAS

NETGEAR C3000-100NAS N300 WiFi DOCSIS 3.0 Cable Modem Router User Manual

Model: C3000-100NAS | Brand: NETGEAR

1. INTRODUCTION

The NETGEAR C3000-100NAS N300 WiFi DOCSIS 3.0 Cable Modem Router is a versatile 3-in-1 device combining a DOCSIS 3.0 Cable Modem, N300 WiFi Router, and a 2 Gigabit Wired Switch. This device is designed to provide fast and reliable internet connectivity, supporting IPv6 next-generation internet addressing. It is compatible with major cable internet providers such as Xfinity from Comcast, Spectrum, Cox, and CableONE. By owning this device, users can eliminate monthly cable modem rental fees, potentially saving up to \$156 per year.





Figure 1: Front view of the NETGEAR C3000-100NAS N300 WiFi DOCSIS 3.0 Cable Modem Router.

2. KEY FEATURES

This NETGEAR modem router offers a range of features designed to enhance your internet experience:

- **Compatibility:** Compatible with Xfinity from Comcast, Spectrum, Cox, CableONE & more.
- **Integrated Device:** Three-in-one DOCSIS 3.0 Cable Modem + N300 WiFi Router + 2 Gigabit Wired Switch.
- **Cost Savings:** Eliminates monthly cable modem rental fees, saving up to \$156 per year.
- **High-Speed DOCSIS 3.0:** Unleashes 8x faster download speeds than DOCSIS 2.0, supporting up to 340 Mbps.
- **NETGEAR Genie App:** Provides content filtering and parental controls, allowing network management from anywhere.
- **Dual Firewall Protection:** Features SPI and NAT firewall for enhanced security.
- **Gigabit Ethernet Ports:** Two (2) 10/100/1000 LAN Gigabit Ethernet ports with auto-sensing technology for high-speed wired connections.
- **Wireless Standard:** IEEE 802.11 b/g/n 2.4 GHz for N300 WiFi speeds.

Video 1: Product Tour of the NETGEAR N300 WiFi Combined Cable Modem Router. This video provides a visual overview of the device's

features and benefits.

Video 2: Explanation of Channel Bonding in Wireless Technology for Cable Modems and Gateways. This video details how channel bonding enhances internet speed and reliability.

3. SETUP

3.1 Package Contents

Before beginning installation, ensure all items are present in the package:

- NETGEAR C3000-100NAS N300 WiFi DOCSIS 3.0 Cable Modem Router
- Power Adapter
- Ethernet Cable
- Quick Start Guide (or similar documentation)

3.2 Before You Begin

It is crucial to verify compatibility and service requirements with your Internet Service Provider (ISP) before installation. Contact your provider to confirm that the NETGEAR C3000-100NAS is certified for your service plan and to obtain any necessary account information for activation.

3.3 Installation Steps

1. **Connect Coaxial Cable:** Connect one end of the coaxial cable to the cable wall outlet and the other end to the Cable/Internet port on the back of the modem router.
2. **Connect Power:** Connect the power adapter to the modem router's Power port and plug it into an electrical outlet. Ensure the On/Off switch is in the 'On' position.
3. **Power On:** Wait for the modem router to power on and for the indicator lights to stabilize. This may take a few minutes.
4. **Connect to Computer (Optional):** For initial setup or wired connection, connect one end of the Ethernet cable to a LAN port on the modem router and the other end to your computer's Ethernet port.
5. **Activate Internet Service:** Open a web browser on your connected computer or device. Your ISP's activation page should appear. Follow the on-screen instructions to activate your internet service. You may need your account information. If the activation page does not appear, contact your ISP's customer support.
6. **Connect via Wi-Fi:** Once activated, locate the Wi-Fi network name (SSID) and password on the label of your modem router. Connect your wireless devices to this network.





Figure 2: Back view of the NETGEAR C3000-100NAS showing the coaxial, Ethernet, and power ports.

4. OPERATING YOUR DEVICE

4.1 Indicator Lights

The front panel of your modem router features several LED indicators that provide status information:



2.4 GHz





Figure 3: Front view of the NETGEAR C3000-100NAS highlighting the indicator lights.

LED Indicator	Status	Description
Power	Solid Green	Modem router is powered on.
Downstream	Solid Green	One or more downstream channels are locked.
	Blinking Green	Scanning for a downstream channel.
Upstream	Solid Green	One or more upstream channels are locked.
	Blinking Green	Scanning for an upstream channel.
Internet	Solid Green	Modem router is online and connected to the Internet.
	Blinking Green	Modem router is trying to get an IP address.
2.4 GHz WiFi	Solid Green	2.4 GHz WiFi is enabled.
	Blinking Green	2.4 GHz WiFi is active (data transfer).
Ethernet (LAN 1/2)	Solid Green	A device is connected to the Ethernet port.
	Blinking Green	Data is being transferred over the Ethernet connection.
USB	Solid Green	A USB device is connected.
	Blinking Green	Data is being transferred to/from the USB device.

4.2 Connecting Devices

You can connect devices to your modem router via Wi-Fi or Ethernet:

- **Wi-Fi Connection:** Use the Wi-Fi network name (SSID) and password found on the modem router's label to connect your wireless devices (laptops, smartphones, tablets, etc.).
- **Ethernet Connection:** For devices requiring a stable, high-speed connection (e.g., desktop computers, gaming consoles, network storage), use an Ethernet cable to connect them to the Gigabit LAN ports on the back of the modem router.
- **ReadySHARE USB:** Connect a USB storage device to the USB port on the modem router to share files and media across your network. This allows all connected devices to access the content on the USB drive.

5. MAINTENANCE

To ensure optimal performance and longevity of your NETGEAR C3000-100NAS, consider the following maintenance tips:

- **Firmware Updates:** Periodically check the NETGEAR support website for firmware updates. Firmware updates can improve performance, add new features, and fix bugs. Your ISP may also push updates automatically.

- **Proper Ventilation:** Ensure the modem router is placed in a well-ventilated area, away from direct sunlight and heat sources. Do not block the ventilation holes.
- **Regular Reboot:** Occasionally rebooting your modem router (unplugging the power for 10-15 seconds and plugging it back in) can resolve minor connectivity issues and improve performance.
- **Cleaning:** Keep the device clean and free of dust. Use a soft, dry cloth to wipe the exterior. Avoid using liquid cleaners.
- **Secure Placement:** Place the modem router on a stable surface to prevent accidental falls or damage.

6. TROUBLESHOOTING

If you encounter issues with your NETGEAR C3000-100NAS, refer to the table below for common problems and their solutions:

Problem	Possible Cause	Solution
No Internet connection	Coaxial cable loose, ISP issue, modem not activated.	
Slow Internet speed	Network congestion, outdated firmware, Wi-Fi interference.	
Wi-Fi signal drops frequently	Interference, distance from router, too many devices.	
Cannot access router settings (NETGEAR Genie)	Incorrect IP address, browser issue, firewall blocking.	
Parental Controls not working	Incorrect setup, outdated firmware.	

7. SPECIFICATIONS

Detailed technical specifications for the NETGEAR C3000-100NAS:

Feature	Value
Model Number	C3000-100NAS
Wireless Type	2.4 GHz Radio Frequency (802.11 b/g/n)
DOCSIS Version	3.0
Ethernet Ports	Two (2) 10/100/1000 LAN Gigabit Ethernet ports
Item Weight	1.25 pounds
Product Dimensions (LxWxH)	9.13 x 10.83 x 3.15 inches
Color	Black
Operating System Compatibility	Microsoft Windows 7, Windows 8, Vista, XP, 2000, Mac OS or other operating systems running a TCP/IP network
Voltage	100-240 Volts
First Available Date	February 15, 2014

8. WARRANTY AND SUPPORT

NETGEAR provides support and warranty information for its products. For the most up-to-date details, please refer to the official NETGEAR website or the documentation included with your product.

- **Return Policy:** This product typically comes with a 30-day return/replacement policy. Please check with your retailer for specific return terms.
- **User Manuals:** Additional user guides and manuals are available for download. You can find a comprehensive user manual [here](#) and a user guide [here](#).
- **Online Support:** Visit the official NETGEAR store for product information and support resources: [NETGEAR Store](#).