

NETGEAR®

Installation Guide

DOCSIS3.0 N900 Wireless Data Gateway CG4500BD

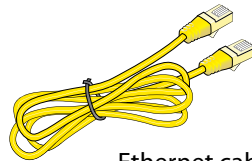
Package Contents



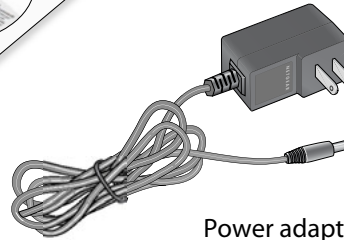
Gateway



Resource CD



Ethernet cable

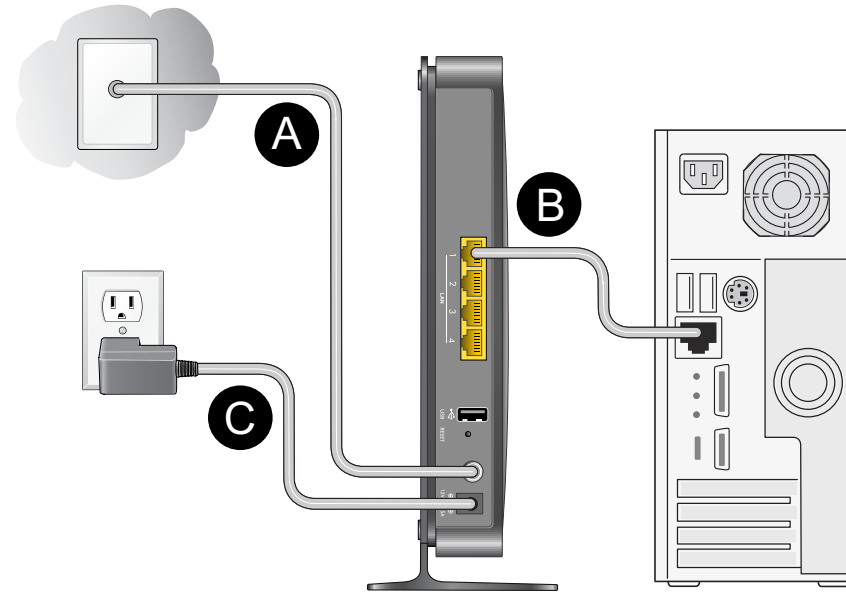


Power adapter

Connect the Gateway

To configure the gateway, you need a computer with DHCP enabled that has an available Ethernet port.



1. Ensure that the gateway can be conveniently wired to the computer and is close to a power outlet.
2. For better wireless performance, position the gateway vertically in the stand.
3. Connect cable port on the gateway to your cable line splitter or outlet (A). Use the coaxial cable from your cable company.










4. Connect your computer to the gateway with the included Ethernet cable (B).
5. Connect the power adapter to the gateway (C).
6. Plug the other end of the power adapter into an electrical outlet.
7. Wait about 50 seconds for the gateway to start.

The Internet LED blinks, then turns solid green, indicating that a link was established to the cable network.

You can use the buttons and LEDs on the front of the gateway to check its status. For more information, see the following table and the LED table on the other side of this document.

Button	Description
	<ul style="list-style-type: none">• Solid green. The gateway is working and available for use.• Blinking. There is traffic on the gateway.• Off. The gateway either is not working or is not plugged in. To enable or disable the card (2.4 Ghz and 5 GHz), press this button for 3 seconds.
	Pressing this button opens a 2-minute window for the gateway to connect with other WPS-enabled devices. The LED blinks green for the length of time the window is open.
Reset	To return the gateway to the factory settings, press and hold the Reset button on the back of the gateway for at least 7 seconds.

LED	Description
2.4 GHz  5GHz 	<ul style="list-style-type: none"> • Solid green. The gateway is working and available for use. • Blinking. There is traffic on the gateway. • Off. The gateway either is not working or is not plugged in.
 Power	<ul style="list-style-type: none"> • Green. The gateway has power. • Blinking. The gateway is powering-on. • Red. The gateway is performing a self-test or the thermal cutoff circuit has been triggered. • Off. The gateway is not receiving power.
 Downstream	<ul style="list-style-type: none"> • Blue. More than one downstream channel is locked. • Green. One downstream channel is locked. • Blinking green. The gateway is scanning for a downstream channel. • Off. No downstream channel is locked.
 Upstream	<ul style="list-style-type: none"> • Blue. More than one upstream channel is locked. • Green. One upstream channel is locked. • Blinking green. The gateway is ranging on the upstream. • Off. No downstream channel is locked.

LED	Description
 Internet	<ul style="list-style-type: none"> • Solid green. The gateway is connected to the Internet. • Slow blink. The gateway is receiving DHCP information. • Fast blink. The gateway is downloading the configuration file. • Off. The gateway is not connected to the Internet.
 Ethernet (LAN)	Green indicates 1,000 Mbps. Amber indicates 100/10 Mbps. <ul style="list-style-type: none"> • Solid. An Ethernet device is connected and has power. • Blinking. Data is being transmitted or received on the Ethernet port. • Off. No Ethernet device is detected on the Ethernet port.

To return the gateway to its factory settings, use the end of a paper clip to press and hold the **Reset** button on the back of the gateway for at least 7 seconds. All LEDs simultaneously blink amber three times. The gateway resets and returns to the factory settings.

Log In to the Gateway

To log in to the gateway to view or change its settings:

1. On a computer that is connected to the gateway with an Ethernet cable, launch an Internet browser such as Mozilla Firefox or Microsoft Internet Explorer.
2. Type **http://192.168.0.1** in the address field of the browser.
3. When prompted to log in, enter the user name **admin** and its default password of **password**.

The Product Family menu displays.

Technical Support

Contact your cable Internet service provider for technical support.

Note to CATV System Installer

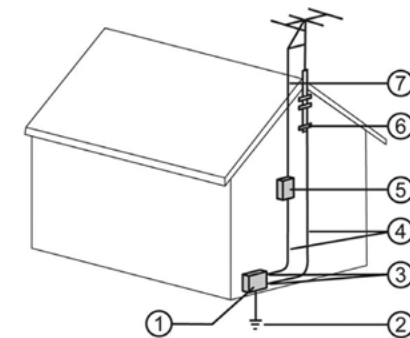
Please note, this reminder is provided to call the CATV system installer's attention to Section 820-93 of the National Electrical Code, which provides guidelines for proper grounding and, in particular, specifies that the coaxial cable shield be connected to the grounding system of the building as close to the point of cable entry as possible.

WARNING: When installing or realigning an outside antenna system, take extreme care to avoid any contact with power lines or circuits. Contact could be fatal.

Reference to the Grounding Figure

The numbers in the figure on the right indicate:

1. Electric service equipment
2. Power service grounding electrode system (NEC Art 250, Part H)
3. Ground clamps
4. Grounding conductors (NEC Section 810-21)
5. Antenna discharge unit (NEC Section 810-20)
6. Ground clamp
7. Antenna lead-in wire



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