

NETGEAR®

Installation Guide

ProSAFE® Single Band 802.11n Wireless Access Point WN203

Follow the instructions in this installation guide to set up your ProSAFE® Single Band 802.11n Wireless Access Point WN203. For information about advanced configuration options, see the reference manual.

Note: In this installation guide, the Wireless Access Point WN203 is referred to as the access point.

Package Contents

Unpack the box and verify the contents:

- Wireless Access Point WN203
- Straight-through Category 5 Ethernet cable
- Power adapter and cord (12V, 1A)
- Stand
- Installation guide

Set Up the Access Point

Setting up the access point consists of three short procedures:

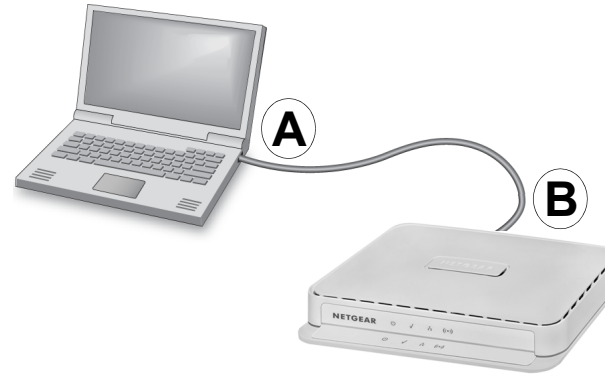
- Connect the access point to your computer.
- Configure the LAN and wireless access settings.
- Test wireless connectivity.

Estimated total time for these procedures: 10 minutes.

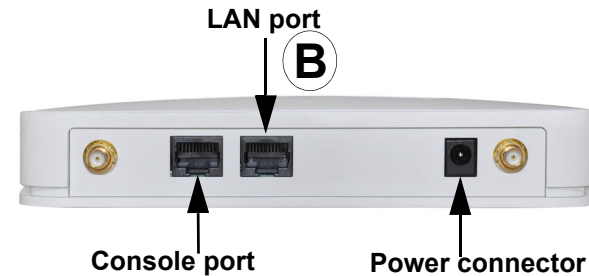
Tip: Before you mount the access point in a high location, first set up and test the access point to verify wireless network connectivity.





Connect the Access Point to Your Computer

1. Prepare a computer with an Ethernet adapter:
 - a. If this computer is already part of your network, record its TCP/IP configuration settings.
 - b. Configure the computer with a static IP address of 192.168.0.210 and a subnet mask of 255.255.255.0.



2. Insert an Ethernet cable in the Ethernet port of the computer (point A in the illustration).
3. Securely insert the other end of the cable into the Ethernet LAN port on the back panel of the access point (point B in the illustration).
4. Connect the power adapter to the access point and plug the power adapter into a power outlet.
5. Verify the following:

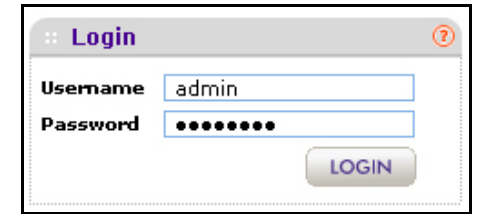


-  **Power LED.** The Power LED is green. If the Power LED is off, check the connections, and check if the power outlet is controlled by a wall switch that is turned off.
-  **Test LED.** The Test LED blinks amber at startup and turns off after about 1 minute.
-  **LAN LED.** The LAN LED indicates LAN speeds: green for 1000 Mbps, amber for 100 Mbps or 10 Mbps. If no link is detected, the LAN LED is off.
-  **WLAN LED.** The WLAN LED is blue, indicating that the wireless LAN (WLAN) is ready.

Configure the LAN and Wireless Access Settings

1. On the computer that is connected to the access point, enter **http://192.168.0.100** in the address field of a browser.

A login window displays.



2. Enter **admin** for the user name and **password** for the password, both in lowercase letters. The web management interface of the access point displays. The menu lets you navigate to the various screens.
3. Select **Configuration > System > Basic > General** from the menu.
 - a. In the Access Point Name field, enter a unique name or leave the default name.
 - b. From the Country/Region drop-down list, select the country where the access point is installed.
 - c. Click **Apply**.
4. Select **Configuration > IP > IP Settings** from the menu. By default, the access point has a static IP address of 192.168.0.100 with a subnet mask of 255.255.255.0, and the DHCP client is disabled.
 - a. Configure the IP settings for your LAN.
 - b. Click **Apply**.

Tip: If you configure the access point as a DHCP client, reserve an IP address on the DHCP server in your network by binding the access point's MAC address to the IP address that is issued by the DHCP server. The next time that you log in to the access point, you need to use the reserved IP address.
5. Select **Configuration > Security > Profile Settings** from the menu.
 - a. Configure one or more security profiles for your wireless network.
 - b. After configuring each security profile, click **Apply**.

Note: By default, the wireless radio is on and the default wireless mode is ng (that is, 802.11ng).

Note: The online help and the reference manual provide more information about the configuration options.

Test Wireless Connectivity

Using a computer or another wireless device, verify that you can establish a wireless connection to the access point.

Now that you have finished the setup, you are ready to deploy the access point in your network. You can reconfigure the computer that you used to configure the access point back to its original TCP/IP settings.

Deploy the Access Point

1. Disconnect the access point and position it where you plan to deploy it.
The best location is elevated such as wall or ceiling mounted, at the center of your wireless coverage area, and within line of sight of all wireless devices.
2. Connect an Ethernet cable from the Ethernet LAN port on your access point to a LAN port on your router, switch, or hub.
3. Connect the power adapter to the access point and plug the power adapter into a power outlet.

The Power and LAN LEDs should light.

Tip: The access point supports Power over Ethernet (PoE). If you have a switch that provides PoE, you do not need to use the power adapter to power the access point. This can be especially convenient when the access point is installed in a high location far from a power outlet.

4. Using a computer or another wireless device, verify the following:
 - You can establish a wireless connection to the access point.
 - You can connect to the Internet through a browser.
 - You can access files and printers on your network.

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Troubleshooting Tips

This section provides some tips for correcting simple problems that you might encounter. For more troubleshooting information, see the troubleshooting chapter in the reference manual.

Problem	Cause	Possible Solution
No LEDs are lit on the access point.	The access point has no power.	<ul style="list-style-type: none"> • Make sure that the power cord is connected to the access point and plugged in to a working power outlet or power strip. • Make sure that you are using the correct NETGEAR power adapter supplied with your access point. • If the access point is using PoE, make sure that the PoE switch is providing power to the access point.
The LAN LED is off.	There is a hardware connection problem.	<ul style="list-style-type: none"> • Make sure that the cable connectors are securely plugged in to the access point and to the network device (hub, [PoE] switch, or router). • Make sure that the network device is turned on.
The WLAN LED is off.	The wireless connection does not work.	<ul style="list-style-type: none"> • If the WLAN LED stays off, disconnect the power adapter from its power source and then plug it in again. • Log in to the access point and verify that the radio or radios are turned on. • Contact NETGEAR if the WLAN LED remains off.
You cannot configure the access point from a browser.	Multiple causes.	<ul style="list-style-type: none"> • Make sure that the access point is correctly installed, it is powered on, and the LAN connections are good. Check that the LAN LED is lit to verify that the Ethernet connection is good. • Ensure that your computer is using an IP address in the range of the access point. The access point default IP address is 192.168.0.100, and the default subnet mask is 255.255.255.0. • Quit the browser, clear the cache, delete the cookies, and launch the browser again.

Problem	Cause	Possible Solution
You cannot access the Internet or the LAN from a wireless device.	There is a configuration problem.	<ul style="list-style-type: none"> • You might not have restarted the wireless device to let the TCP/IP changes take effect. Restart the computer. • Make sure that the SSID and wireless security settings of the wireless device are the same as those of the access point. • The wireless device might not have the correct TCP/IP settings to communicate with the network. Restart the wireless device and check that TCP/IP is set up correctly for that network. In Windows, the usual setting for Network Properties is to obtain an IP address automatically. • The access point default values might not work with your network. Check the access point default configuration against the configuration of other devices in your network. For information about changing the default values of the access point, see the reference manual.

Support

Thank you for selecting NETGEAR products.

After installing your device, locate the serial number on the label of your product and use it to register your product at <https://my.netgear.com>.

You must register your product before you can use NETGEAR telephone support. NETGEAR recommends registering your product through the NETGEAR website. For product updates and web support, visit <http://support.netgear.com>.

NETGEAR recommends that you use only the official NETGEAR support resources.

You can get the user manual online at <http://downloadcenter.netgear.com> or through a link in the product's user interface.

For the current EU Declaration of Conformity, visit http://support.netgear.com/app/answers/detail/a_id/11621/.

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

Industry Canada statement:

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

This radio transmitter(IC:4054A-12400221) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Cet émetteur radio (IC:4054A-12400221) a été approuvé par Industrie Canada pour fonctionner avec les types d'antennes énumérés ci-dessous avec le gain maximal admissible et nécessaire impédance d'antenne pour chaque type d'antenne indiqué. Types d'antennes ne figurent pas dans cette liste, ayant un gain supérieur au gain maximum indiqué pour ce type, sont strictement interdites pour une utilisation avec cet appareil.

"To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication"

"This device has been designed to operate with an antenna having a maximum gain of [3] dBi. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms."

«Pour réduire le risque d'interférence avec d'autres utilisateurs, le type d'antenne et son gain doivent être choisis afin que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour

une communication réussie"

«Ce dispositif a été conçu pour fonctionner avec une antenne ayant un gain maximal de [3] dBi. Antenne ayant un gain supérieur sont strictement interdites par la réglementation d'Industrie Canada. L'impédance d'antenne requise est de 50 ohms.»