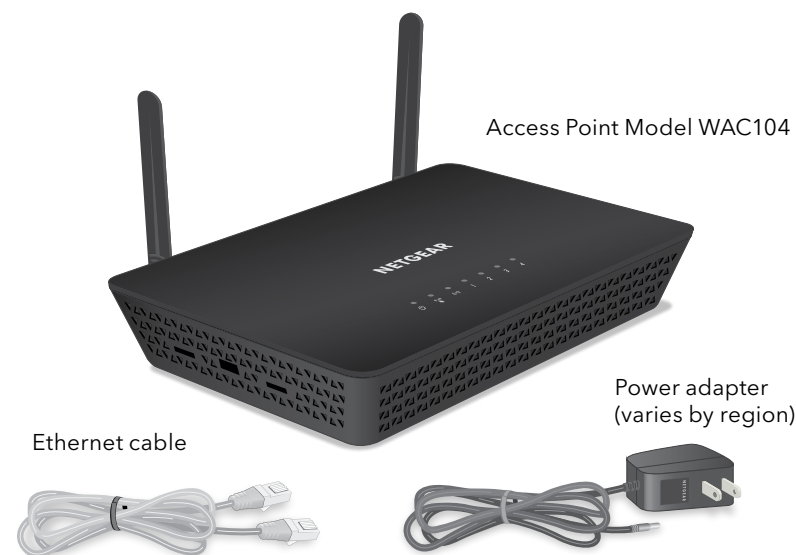


Installation Guide

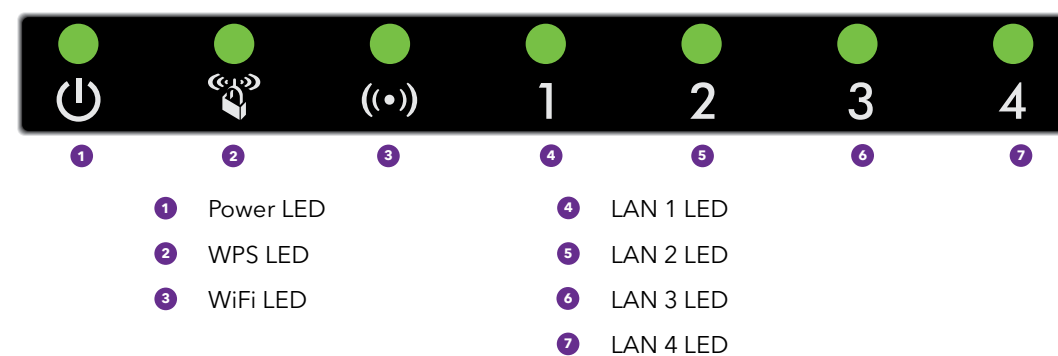
AC1200 Dual Band Wireless Access Point Model WAC104



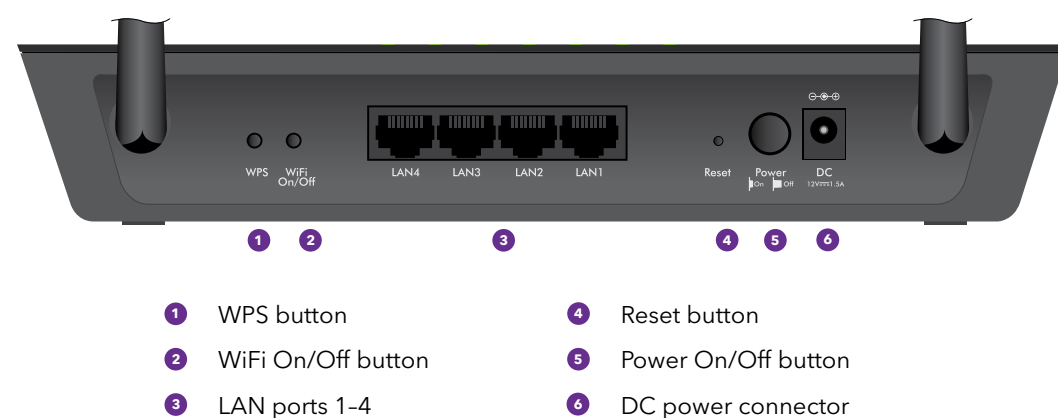
Package contents



Overview LEDs



Overview back panel



Sample connections diagram



IMPORTANT: The access point (AP) provides WiFi and LAN connectivity but is a bridge and not a router. Connect the AP to a router that is connected to a modem. Do not connect the AP directly to a modem such as a DSL or cable modem.

Step 1. Connect and power on the AP

- Connect the Ethernet cable that came in the package to one of the AP's Ethernet ports. You can use any of the four LAN ports on the AP.
 - NOTE:** Do not connect the AP to your modem. The AP must connect to your router.
- Connect the other end of the cable to a LAN port on your router. The AP uses a DHCP client that is enabled by default. Almost any router functions as a DHCP server, allowing the AP to receive an IP address from the router.
- Power on the AP by pressing the **Power On/Off** button.

During installation and setup, the AP's LEDs can light in these colors:

Power		Solid green. The AP is ready.
		Blinking green. The AP is starting or is updating firmware.
WPS		Solid green. Wi-Fi Protected Setup (WPS) is ready for use. By default, the WPS LED is off.
		Blinking green. Someone pressed the WPS button on the AP so their WiFi-enabled computer or mobile device can join the WiFi network.
WiFi		Solid green. One or both WiFi radios are operating.
		Blinking green. One or both WiFi radios are sending or receiving traffic.
LAN 1-4		Solid green. The LAN port detects a link with a LAN device.
		Blinking green. The LAN port is transmitting or receiving data.

Step 2. Join the AP's WiFi network

You can connect a WiFi-enabled computer or mobile device manually or use the Wi-Fi Protected Setup (WPS) method.

Manual method

- On a WiFi-enabled device, open the software utility that manages your WiFi connections. The utility scans for all WiFi networks in your area.
- Find and select one of the AP's default WiFi network names (SSIDs), which are **NETGEAR_11N** and **NETGEAR_11AC**.
 - NOTE:** If you cannot find the SSIDs, press the **WiFi On/Off** button, wait one minute, and see if the utility displays one or both of the SSIDs.
- Type the default WiFi passphrase, which is **sharedsecret**. Your device connects to the AP's WiFi network.

WPS method

If your WiFi-enabled device supports Wi-Fi Protected Setup (WPS), you can use WPS to join the AP's WiFi network.

For help with the WPS button on your device, check the instructions or online help that came with that device. Some older equipment cannot use WPS.

- Press the **WPS** button on the back panel of the AP.
- Within two minutes, on your computer or mobile device, press its physical **WPS** button or click its onscreen **WPS** button. Your device connects to the AP's WiFi network.

About logging in to the local browser UI

IMPORTANT: The steps to log in to the local browser user interface (UI) of your AP depend on the firmware version that your AP is running.

- The steps in *Step 3. Log in to the local browser UI* and *Step 4. Check for new firmware* apply *only* if you update your AP firmware to version 1.0.4.15 or a later version and then reset the AP to factory defaults.

If you already reset the AP to factory defaults after you updated to version 1.0.4.15, and you update the AP to a version *later* than 1.0.4.15, you do not need to reset the AP to factory defaults again.

- If your AP is running a firmware version *earlier* than version 1.0.4.15 and you do not update to version 1.0.4.15 or a later version, see the old installation guide, which you can download by visiting <https://www.netgear.com/support/download/>.
- We strongly recommend that you download and install the latest firmware as soon as possible.**



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Step 3. Log in to the local browser UI

These steps apply only if you updated your AP firmware to version 1.0.4.15 or a later version and then reset the AP to factory defaults.

1. Launch a web browser on a WiFi-enabled device that has a WiFi connection to the AP (see [Step 2. Join the AP's WiFi network](#)) and enter **http://www.aplogin.net** or **http://www.aplogin.com** in the address field.

These URLs are the same as the IP address 192.168.0.100.

A login window displays.

2. Enter the AP user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The initial set up page displays. This page displays only the first time that you log in to the local browser user interface (UI).

3. On the initial set up page, do the following:

- Set a new password for the admin user.
- Enable password recovery and set security questions. Although this is optional, we recommend that you enable password recovery.
- For greater security, you can also set new WiFi network names (SSIDs) for the WiFi network in the 2.4 GHz and 5 GHz radio bands and new WiFi passphrases.

We recommend that you let the AP get its IP address from the router in your network (this is the default setting). However, if you want to use a static IP address for the AP, you can do so.

4. Click the **Apply** button.

Your settings are saved.

5. If you set a new SSID and passphrase, reconnect to the AP using the new SSID and passphrase.

6. Log back in to the local browser UI using your new password.

You can now monitor and manage the AP.

Step 4. Check for new firmware

These steps apply only if you updated your AP firmware to version 1.0.4.15 or a later version and then reset the AP to factory defaults.

Before you start using your AP, we recommend that you use the AP's automatic update function to check for new firmware.

1. Launch a web browser on a WiFi-enabled device that has a WiFi connection to the AP (see [Step 2. Join the AP's WiFi network](#)) and enter **http://www.aplogin.net** or **http://www.aplogin.com** in the address field.

A login window displays.

2. Enter the AP user name and password.

The user name is **admin**. The password is the one that you specified on the initial set up page the first time that you logged in to the local browser UI (see [Step 3. Log in to the local browser UI](#)). The user name and password are case-sensitive.

The Home page displays.

3. Select **Administration > Firmware Update**.

The Firmware Update page displays.

4. Click the **Check** button.

The AP detects new firmware if any is available, and displays a message asking if you want to download and install it.

5. To download and install the new firmware, click the **Yes** button.

The AP locates the firmware, downloads it, and begins the update.

A progress bar shows the progress of the firmware upload process. The firmware upload process takes several minutes. When the upload is complete, your AP restarts.

WARNING: To avoid the risk of corrupting the firmware, do not interrupt the update. For example, do not close the browser, click a link, or load a new page. Do not turn off the AP. Wait until the AP finishes loading the new firmware and restarts, and the Power LED stops blinking and remains solid green.

6. Log back into the local browser UI.

The Home page displays. The firmware version is stated in the Firmware Version field of the AP Information pane.

Troubleshooting tips

The following table provides some tips for correcting simple problems that you might encounter. For more troubleshooting information, see the troubleshooting chapter in the user manual.

Problem	Cause	Possible solution
You cannot connect over WiFi to the AP.	The WiFi LED is off, indicating that the WiFi radios are off.	Verify that the radios are turned on by pressing the WiFi On/Off button.
	You might be using the wrong WiFi credentials.	If you did not change the default SSIDs and default WiFi passphrase, make sure that you are connecting to NETGEAR_11N or NETGEAR_11AC and that you are using sharedsecret as the WiFi passphrase.
You cannot connect more than five WiFi clients to the AP.	You might be too far away from the AP.	Move closer to the AP. and try again.
	The AP cannot find a DHCP server in your network.	Make sure that one of the AP's LAN ports is connected to a router in your network so that the AP can receive a DHCP address.
You cannot access the Internet.	Multiple possible causes.	<ul style="list-style-type: none">• Make sure that one of the AP's LAN ports is connected to a router in your network.• Make sure that the router is connected to your modem.• Make sure that your modem is connected to the Internet outlet.• Make sure your Internet service provider (ISP) is not experiencing an outage.
		<ol style="list-style-type: none">1. Reset the AP to factory defaults by pressing the recessed Reset button on the back panel for at least 10 seconds.2. Wait until the Power LED turns solid green.3. Log in to the local browser UI (see Step 3. Log in to the local browser UI).4. Reconfigure the AP.
You cannot access the local browser UI after you update the firmware to version 1.0.4.15.	You might be using the wrong admin credentials.	If you did not yet change the default password, enter password . The user name is admin . (You cannot change the user name.) The user name and password are case-sensitive.

Support and Community

Visit [netgear.com/support](https://www.netgear.com/support) to get your questions answered and access the latest downloads.

You can also check out our NETGEAR Community for helpful advice at community.netgear.com.

Regulatory and Legal

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à <https://www.netgear.com/support/download/>.

(If this product is sold in Canada, you can access this document in Canadian French at <https://www.netgear.com/support/download/>.)

For regulatory compliance information including the EU Declaration of Conformity, visit <https://www.netgear.com/about/regulatory/>.

See the regulatory compliance document before connecting the power supply.

For NETGEAR's Privacy Policy, visit <https://www.netgear.com/about/privacy-policy>.

By using this device, you are agreeing to NETGEAR's Terms and Conditions at <https://www.netgear.com/about/terms-and-conditions>. If you do not agree, return the device to your place of purchase within your return period.

Do not use this device outdoors.

Applicable to 6 GHz devices only: Only use the device indoors. The operation of 6 GHz devices is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.