Installation

AC WiFi Business Access Point (WAC510)

with NETGEAR Insight app for easy management

Package Contents

Unpack the box and verify the contents:

- NETGEAR® AC WiFi Business Access Point (WAC510)
- Installation guide
- Ceiling and wall installation kit
- Mounting installation guide

NETGEAR®

Set Up the Access Point

The following table shows the different setup options that are available to you and the requirements for the access point (AP).

Setup Option	Connect Over	Power Source	Mode	Extra Requirements	Setup Information
AP to Ethernet PoE Switch	WAN port	PoE	AP mode	None	See this guide
AP to Ethernet non-PoE Switch	WAN port	Power adapter	AP mode	Order a power adapter	See the user manual
AP to DSL or cable Internet modem	WAN port	Power adapter	Router mode	Order a power adapter Change to Router mode	See the user manual

Note: For more information about the various setup options, see the *NETGEAR AC WiFi Business Access Point (WAC510) User Manual.*

Before mounting the access point in a high location, first set up, configure, and test the access point to verify WiFi network connectivity.

➢ **To set up the access point with a PoE switch:**

Connect an Ethernet cable from the yellow WAN port on the access point to a Power over Ethernet (PoE) switch.

The WAN port on the access point also functions as a PoE port. In this setup, the access point does not require a power adapter.

Internet

Note: Cable not included.   PoE port on a PoE switch   WAN port (also PoE port)

The following table shows the LED behavior on the access point.

LED	Description
Power LED	•**Off**. Power is off. •**Solid green**. Power is on and the access point is ready. •**Solid amber**. During startup, the Power LED lights solid amber. If after 5 minutes the LED remains solid amber, a boot error occurred. •**Fast blinking amber**. Firmware update in progress.
Activity LED	•**Off**. No link with the network is detected. •**Solid green**. A link with the network is detected. •**Blinking green**. Network traffic is detected.
WAN LED	•**Off**. No Ethernet link is detected. •**Solid amber**. A 10/100 Mbps Ethernet link is detected. •**Solid green**. A 1000 Mbps Ethernet link is detected.
LAN LED	•**Off**. No Ethernet link is detected. •**Solid amber**. A 10/100 Mbps Ethernet link is detected. •**Solid green**. A 1000 Mbps Ethernet link is detected.
2.4 GHz 2.4G WLAN LED	•**Off**. The 2.4 GHz WiFi radio is off. •**Solid green**. The 2.4 GHz WiFi radio is on. •**Solid blue**. One or more WLAN clients are connected to the 2.4 GHz radio. •**Blinking blue**. WLAN traffic is detected on the 2.4 GHz radio..
5 GHz 5G WLAN LED	•**Off**. The 5 GHz WiFi radio is off. •**Solid green**. The 5 GHz WiFi radio is on. •**Solid blue**. One or more WLAN clients are connected to the 5 GHz radio. •**Blinking blue**. WLAN traffic is detected on the 5 GHz radio.

Configure the Access Point

➤ **Choose one of the following methods to configure the access point:**

- **Method 1: Use the NETGEAR Insight app**. On your iOS or Android mobile device, go to the app store. Search for NETGEAR Insight, and download the app.

Open the NETGEAR Insight app and log in to your existing NETGEAR account or create a new account to log in with. Then, follow the prompts in the NETGEAR Insight app to discover and register the access point on the network so that you can configure and manage the access point.

- **Method 2: Log in over WiFi**. From your computer or mobile device, connect over WiFi to the access point's default SSID. The

default SSID is on the access point label on the bottom of the access point and is shown in the format NETGEAR*xxxxxx*–SETUP. The default password is **sharedsecret**.
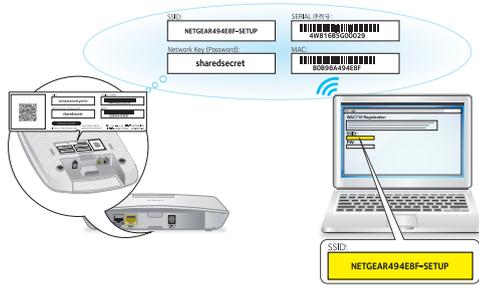
Open a web browser. In the address bar, enter **www.routerlogin.net** (or **www.aplogin.net**). The Day Zero Easy Setup page displays so that you can configure the basic settings, including the country of operation. After you save these basic settings, the Day Zero Easy Setup page no longer displays when you log in.

- **Method 3: Log in over Ethernet**. Open a web browser from a computer that is connected to the same Ethernet subnet as the access point or to the access point's LAN port directly through an Ethernet cable.

In the address bar, enter the IP address of the access point.

NETGEAR INTL LTD
Building 3, University Technology Centre
Curraheen Road, Cork, Ireland

201-20452-05

Note: If the access point is connected to a network that includes a DHCP server (or router that functions as a DHCP server), determine the IP address by using an IP network scanner. Otherwise, the default IP address of the access point is **192.168.0.100**. If you use an Ethernet cable from your computer to the access point's LAN port and the access point functions with its default IP address, make sure that the IP address of your computer is in the 192.168.0.x subnet.

The Day Zero Easy Setup page displays so that you can configure the basic settings, including the country of operation. After you save these basic settings, the Day Zero Easy Setup page no longer displays when you log in.

Deploy the Access Point

The best location for the access point is elevated, such as mounted on a wall or ceiling, at the center of the WiFi coverage area, and within line of sight of all mobile devices.

For information about mounting the access point, see the *NETGEAR AC WiFi Business Access Point (WAC510) Ceiling and Wall Installation Guide.*

➤ **To deploy the access point:**

1. Disconnect the access point and position it where you will deploy it.
2. Reconnect the access point. See *Set Up the Access Point.*
3. Using a WiFi device, verify connectivity by connecting to the access point and using a browser to connect to the Internet.

Troubleshooting Tips

The following table provides some tips for correcting simple problems that you might encounter. For more troubleshooting information, see the *NETGEAR AC WiFi Business Access Point (WAC510) User Manual.*

Problem	Cause	Possible Solution
No LEDs are lit on the AP.	The AP is not receiving power.	• Make sure that the AP is securely connected to a PoE switch. • Make sure that the PoE switch is connected to a power source.
The Power LED alternates green and amber.	The AP is receiving insufficient PoE power.	• Make sure that PoE switch is not overloaded. • Connect to a power source such as a 12V 2.5 A power adapter.

Problem	Cause	Possible Solution
The WAN or LAN port LEDs are off.	A hardware connection problem exists.	• Make sure that the cable connectors are securely plugged into the AP and the switch. • Make sure that the switch is turned on.
The WLAN LEDs are off.	The WiFi connection does not work.	• Make sure that the PoE switch is providing sufficient power to the AP. • Verify that the radio or radios are turned on. • If the WLAN LEDs remain off, contact NETGEAR.
You cannot connect to the AP from a browser.	Multiple possible causes.	• Make sure that your computer is using an IP address in the same subnet as the AP. The AP 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.
You cannot access the Internet or the LAN from a WiFi device.	A configuration problem exists.	• Make sure that the SSID and WiFi security settings of the WiFi device are the same as those of the AP. • The device might not be configured for the correct TCP/IP settings to communicate with the network. Restart the device and check that the TCP/IP settings are set up correctly for the network. • The AP default values might not work with your network. Check the access point default configuration against the configuration of other devices in your network.

Support

Thank you for purchasing this NETGEAR product. You can visit *www.netgear.com/support* to register your product, get help, access the latest downloads and user manuals, and join our community. We recommend that you use only official NETGEAR support resources.

For more information about the installation and configuration options, visit *www.netgear.com/support* to access the user manual.

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

For regulatory compliance information, visit *http://www.netgear.com/about/regulatory/.*

See the regulatory compliance document before providing power to the access point.

April 2017