

NETGEAR®

Installation Guide

Connect with Innovation™

ProSafe® Dual Band Wireless-N Access Point with RFID support WNDAP380R

Package Contents

Unpack the box and verify the contents:

- ProSafe® Dual Band Wireless-N Access Point with RFID support WNDAP380R
- Straight through Category 5 Ethernet cable
- Power adapter and cord (12V, 1A)
- Wall mount kit
- *Installation Guide*

Set Up the Access Point

This access point cannot be used alone. It must be configured using the ProSafe WC7520 Wireless Controller. Before proceeding with the WNDAP380R installation, familiarize yourself with the contents of this manual and the *ProSafe 20-AP Wireless Controller Reference Manual* instructions on access point configuration.

DHCP addressing on the access point is enabled by default. A DHCP server must be present in the network for proper operation.

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

1. Connect the wireless access point to your network.
2. Connect the power adapter to the access point and verify the following:
 - **Power.** The Power LED blinks when the access point is first turned on. After a few seconds it should stay on (steady green). If after 30 seconds the Power LED is off or is still blinking, check the connections and check to see if the power outlet is controlled by a wall switch that is turned off.

- **ACTIVE.** The ACTIVE LED blinks when there is network traffic.
 - **LAN.** The LAN LED indicates LAN speeds; green for 1000 Mbps, amber for 100Mbps, and no light for 10Mbps.
 - **2.4G Hz (WLAN).** This LED indicates 2.4 G Hz traffic.
 - **5 G Hz (WLAN).** This LED indicates 5 G Hz traffic.
2. Use a PC to access the WC7520 and run a Discovery process on the WC7520. The WC7520 should show the access point in the discovery list. Configure the access point using a PC and the WC7520 Wireless AP Controller. See the *WC7520 Reference Manual*.

Deploy the Access Point

1. Disconnect the access point and position it where you will 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 mobile devices.
2. Connect an Ethernet cable from the access point to a LAN port on your network.
3. Connect the power adapter to the wireless access point and plug the power adapter into a power outlet. The Power and LAN LEDs should go on.

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.

Verify Wireless Connectivity

Using a computer with an 802.11b/g/n wireless adapter, verify connectivity by using a browser to connect to the Internet, or check for file and printer access on your network.

Note: If you cannot connect, see *Troubleshooting Tips* in this guide.

Proper operation of the RFID feature can be determined by reviewing the access point status using the WC7520. For additional information refer to the *WC7520 Reference Manual*.

Troubleshooting Tips

Here are some tips for correcting simple problems you may have.

No LEDs are lit on the access point.

The wireless access point has no power.

- Make sure the power cord is connected to the wireless access point and plugged in to a working power outlet or power strip.
- Make sure you are using the correct NETGEAR power adapter supplied with your wireless access point.
- If using PoE, ensure that the PoE switch is providing power to the access point.

The LINK/ACT LED is not on.

There is a hardware connection problem.

- Make sure the cable connectors are securely plugged in to the access point and to the network device (hub, switch, or router).
- Make sure the connected device is turned on. If the Ethernet link is a 10 Mbps link, then the 10/100/1000 light is off, but the Link/Act light blinks if traffic is present.

The WLAN LEDs are off.

The wireless connection is not working.

- If a Wireless LAN activity 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 is turned on.
- Contact NETGEAR if the Wireless LAN LED remains off.

I cannot configure the access point from a browser.

Check these items:

- The access point is correctly installed, it is powered on, and LAN connections are OK. Check that the LAN LED is on to verify that the Ethernet connection is OK.
- If you are using the Net BIOS name of the access point to connect, ensure that your PC and the access point are on the same network segment or that there is a WINS server on your network.

I cannot access the Internet or the LAN with a wireless capable computer.

There is a configuration problem. Check these items:

- You might not have restarted the computer with the wireless adapter to have TCP/IP changes take effect. Restart the computer.
- The computer with the wireless adapter might not have the correct TCP/IP settings to communicate with the network. Restart the computer and check that TCP/IP is set up correctly for that network. The usual setting for Windows on the Network Properties is set to “Obtain an IP address automatically.”
- The wireless access point’s default values might not work with your network. Check the wireless access point default configuration against the configuration of other devices in your network.
- For full instructions on changing the default values of the wireless access point, see the *WC7520 Reference Manual*.

Statement of Conditions

In the interest of improving internal design, operational function, and operability, NETGEAR reserves the right to make changes to the product described in this document without notice. NETGEAR does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Technical 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 <http://www.netgear.com/register>. Registration is required before you can use our telephone support service. Registration via our web site is strongly recommended.

Go to <http://kbserver.netgear.com> for product updates and Web support. For Warranty and Regional Customer Support information, see the *Resource CD* that came with your product.

For complete DoC please visit the NETGEAR EU Declarations of Conformity website at: http://kb.netgear.com/app/answers/detail/a_id/11621/



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