



# ZoneFlex 7321 802.11n Multimedia Wi-Fi Access Point Quick Setup Guide

This *Quick Setup Guide* provides step-by-step instructions on how to set up your Ruckus Wireless ZoneFlex Access Point. After completing the steps described in this Guide, you will be able to place the Access Point (AP) at your site and provide wireless network access to users.

## BEFORE YOU BEGIN

Before deploying Ruckus Wireless products, please check for the latest software and the release documentation.

- User Guides and Release Notes are available at <http://support.ruckuswireless.com/documents>.
- Software Upgrades are available at <http://support.ruckuswireless.com/software>.
- Open Source information is available at <http://opensource.ruckuswireless.com>.
- Software License and Limited Warranty available at <http://support.ruckuswireless.com/warranty>.

## PACKAGE CONTENTS

- ZoneFlex 7321 Access Point
- Mounting screws and anchors (2)
- Security screw
- Regulatory flyer
- This *Quick Setup Guide*

## SETUP REQUIREMENTS

- A computer running Windows 7 (procedures for other OS's are similar)
- One or more of the following:
  - A modem (DSL or cable), broadband router, or other device provided by your Internet Service Provider that brings Internet access to your site.
  - A network switch or a DSL/Internet gateway device.
- Two Cat 5e Ethernet cables
- An AC power adapter (sold separately), or

- An 802.3af or 802.3at -compliant Power over Ethernet (PoE) switch or PoE injector

### IMPORTANT!

If the AP is deployed with a ZoneDirector, follow the *ZoneDirector Quick Setup Guide*, and connect the AP to your local network.

## STEP 1: CONNECT THE AP TO YOUR COMPUTER



- 1 After removing your Ruckus Wireless AP from its package, place it next to your computer.
- 2 Using an Ethernet cable, connect your computer's network port to the 10/100/1000 port on the AP.
- 3 Using the AC adapter (sold separately), connect the AP to a convenient (and protected) power source.
  - Alternatively, connect the 10/100/1000 port to a PoE injector or PoE switch for both power and network connectivity.



- 4 Verify that the Power LED on the external enclosure is a steady green.

## STEP 2: PREPARE YOUR COMPUTER FOR AP SETUP

### NOTE:

The following procedures assume Windows 7 as the operating system. Procedures for other OS's are similar.

- 1 On your Windows 7 computer, configure your network adapter from the *Local Area Connection* settings as follows:
  - **Start > Control Panel > Network and Sharing Center > Change Adapter Settings**
- 2 Edit the TCP/IPv4 address settings as follows:
  - **Local Area Connection > Properties > Internet Protocol Version 4 (TCP/IPv4) > Properties**The *TCP/IPv4 Properties* dialog box appears.

### IMPORTANT!

Write down all of the currently active settings so you can restore your computer to its current configuration later (when this process is complete).

- 3 Select **Use the following IP address** (if it is not already selected) and then make the following entries:
  - **IP address:** 192.168.0.22 (or any address in the 192.168.0.x network)
  - **Subnet mask:** 255.255.255.0
  - **Default gateway:** 192.168.0.1Leave the **DNS server** fields empty.
- 4 Click **OK** to save your changes.  
Your changes are put into effect immediately.

## STEP 3: LOG INTO THE AP

As specified earlier, the AP should be directly connected to your computer (through the Ethernet port) and powered on, ready for setup.

- 1 On your computer, open a Web browser window.
- 2 In the browser, type this URL to connect to the AP:  
<https://192.168.0.1>
- 3 Press <Enter> to initiate the connection. When a security alert dialog box appears, click **OK/Yes** to proceed.
- 4 When the *Ruckus Wireless Admin* login page appears, enter the following:
  - **Username:** super
  - **Password:** sp-admin
- 5 Click **Login**.

### Default AP Settings (For Your Reference)

Network Names (SSIDs)	Wireless1—Wireless8 (2.4GHz radio)
Security (Encryption method)	Disabled for each wireless interface
Default Management IP Address	192.168.0.1

### STEP 4: CUSTOMIZE THE WIRELESS SETTINGS

- 1 On the Web interface menu, click **Configuration > Wireless**. The Configure :: Wireless :: Common options appear.
- 2 Verify that the following options are active:
  - **Channel:** SmartSelect
  - **Country Code:** If you are not located in the United States, select your current country.
- 3 Click **Update Settings** if you made any changes.
- 4 Click any of the eight "Wireless #" tabs at the top of the page.
- 5 In *Wireless Availability*, click **Enabled**.
- 6 Delete the text in the **SSID** field, and then type a name for your network that will help your users identify the AP in their wireless network connection application.
- 7 Click **Update Settings** to save your changes.
- 8 Repeat Steps 4-7 for each Wireless # interface that you want to enable.
- 9 Click **Logout** to exit the Web interface.
- 10 Disconnect the AP from the computer and from the current power source, and then restore your computer to its original network connection configuration.

### STEP 5: PLACE THE AP IN YOUR SITE

- 1 Move the AP to its permanent location (accessible to both AC power and network connection).
- 2 Use an Ethernet cable to connect the 10/100/1000 port of the AP to your network.

**NOTE:** If you will be using PoE, you will need a Cat 5e (or better) Ethernet cable to connect the AP to the PoE injector or switch.

- 3 Connect the AC power adapter (or PoE power supply) to the AP, then to a convenient power source.

- 4 Verify that the 10/100/1000 port LED is lit.

After a short pause to re-establish the Internet connection, you can test the AP.

### STEP 6: VERIFY THE INSTALLATION

- 1 Using any wireless-enabled computer or mobile device, search for and select the wireless network you previously configured.
- 2 If you can connect, open a browser and link to any public Web site.

*Congratulations!* Your wireless network is active and ready for use. If you need to configure advanced wireless settings, such as enabling security, see the AP User Guide.

### (OPTIONAL) MOUNTING INSTRUCTIONS

The ZoneFlex 7321 can be mounted to a ceiling or to a T-bar using the supplied mounting screws or the T-bar clips built into the bottom of the AP enclosure.

#### Mounting to a Flat Surface

- 1 Use this *Quick Start Guide* template to mark the locations for screw holes on the mounting surface. The AP may alternatively be mounted to a NEMA standard electrical junction box.
- 2 Insert the mounting screws into the mounting surface, leaving approximately 1/4" (6 mm) of the screw heads protruding for the AP enclosure. The screws should be approximately 3.25" (82.6mm) apart per the template.
- 3 Insert a straightened paperclip (or similar) into the hole on the side of the AP (top left corner, when the AP is oriented with the Ethernet ports at the bottom), and press on the release mechanism.
- 4 Place the AP onto the mounting screws so that the screw heads enter the mounting holes on the AP enclosure, and push the AP (to the left or down depending on orientation) to lock in place.
- 5 Remove the paperclip to release the lock mechanism and secure the AP.
- 6 To unmount, insert a straightened paperclip into the hole on the side of the AP to unlock, then push the AP (to the right or up, depending on orientation) to release the AP enclosure from the mounting screws.

#### Mounting to a T-Bar

- 1 Orient the AP so that the T-bar is positioned between the T-bar clips as shown in Figure 1, then rotate the AP until the third T-bar clip catches the T-bar and the latch locks the T-bar in place (Figure 2).

Figure 1.

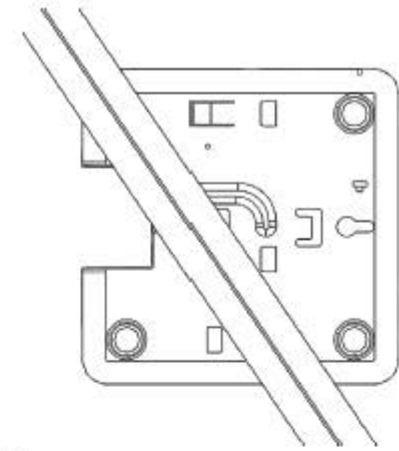
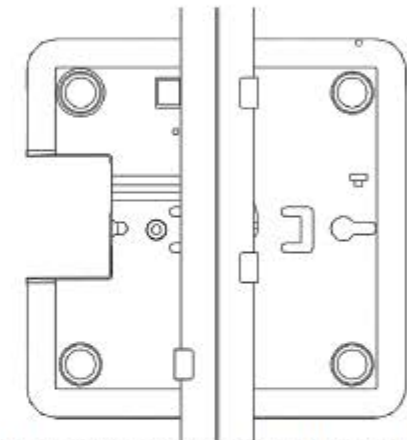


Figure 2.



- 2 Insert the security screw into the hole near the latch to lock in place.
- 3 To remove the unit, first remove the security screw, then depress the latch while rotating the AP so that the T-bar clips disengage the T-bar.

### FOR MORE INFORMATION

You can now use the wireless network to log into the AP's Web interface. Use the Web interface to review and fine-tune a wide range of AP settings. For information on how to configure the AP from the Web interface, refer to the *Ruckus Wireless ZoneFlex Access Point User Guide* or the Online Help, available from within the Web interface.