H320 Access Point Quick Setup Guide

Introduction

This Quick Setup Guide provides step-by-step instructions on how to set up your Ruckus Wireless H320 Dual Band 802.11ac Wave 2 Wall Switch Access Point.

After completing the steps described in this guide, you will be able to access the Access Point (AP) and begin providing wired and wireless network access to users.

The H320 has many options:

- It can be mounted on a standard USA- or EU-style single- gang wall outlet box.
- Provides two stream, dual-band 11ac Wave 2 Wi-Fi (5 GHz - 2x2:2; 2.4 GHz - 1x1:1).
- Includes one 10/100/1000 uplinkport and two 10/100 access ports.
- It can be powered by a customer-supplied IEEE 802.3af-or 802.3at-compliant PoE switch or injector.

NOTE: The H320 does NOT support Mesh.

NOTE: The H320 requires Ruckus Wireless base image 106.1 firmware or later. Managed H320 deployments require SmartZone 3.5.1 or later, or ZoneDirector (ZD) 10.0.x or later.

This Guide in Other Languages

- 请从以下网站获得该指南的简体中文版 https://support.ruckuswireless.com.
- Vous trouverez la version française de ce guide à l'adresse suivante https://support.ruckuswireless.com.
- このガイドの日本語版は https://support.ruckuswireless.com でご覧ください。
- 이 가이드의 한국어 버전은 웹 사이트 (https://support.ruckuswireless.com) 에서 확인하시기 바랍니다.
- Veja a versão em português (Brasil) deste guia em https://support.ruckuswireless.com.
- Puede ver la versión en español (América Latina) de esta guía en https://support.ruckuswireless.com.

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
- Software license and limited warranty information are available at http://support.ruckuswireless.com/warranty

Package Contents

- H320 Wall Switch Access Point
- Mounting bracket
- Two 6mm M3x0.5 thread Torx flat head machine screws
- Two 1" 6-32 thread Phillips pan head machine screws
- Regulatory flyer
- Product warranty statement
- Declaration of Conformity, if required
- This *Quick Setup Guide*

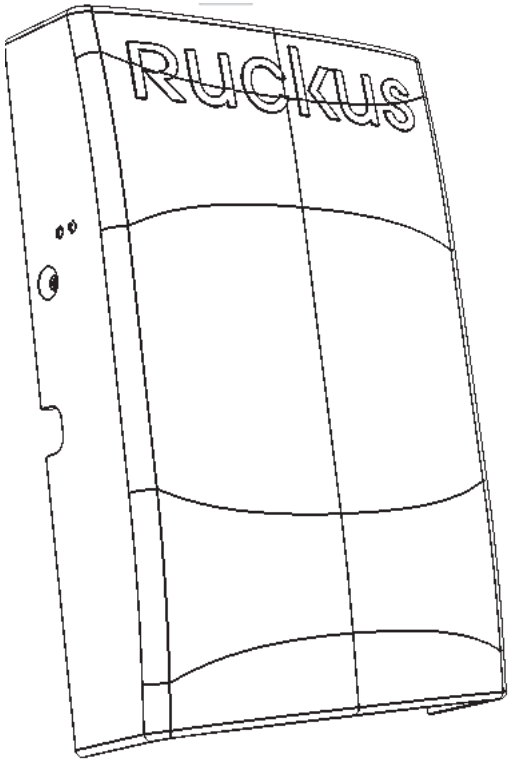
Step 1: Collecting Tools and Setup Requirements

- No. 2 Phillips screwdriver and T10 Torx driver for the mounting bracket screws.
- A standard USA- or EU-style single-gang wall outlet box.
- One of the following:
  - Customer-supplied IEEE802.3af/at-compliant PoE switch.
  - Customer-supplied IEEE 802.3af/at-compliant PoE injector.
- An Ethernet cable (Cat5e, or better) supplying PoE power and network connectivity run throughthe wall from your LAN to the wall outlet box.
- A computer with an Ethernet port and a Wi-Fi network adapter.

Step 2: Connecting the computer to H320

This section describes the step by step instructions to connect the computer to H320.

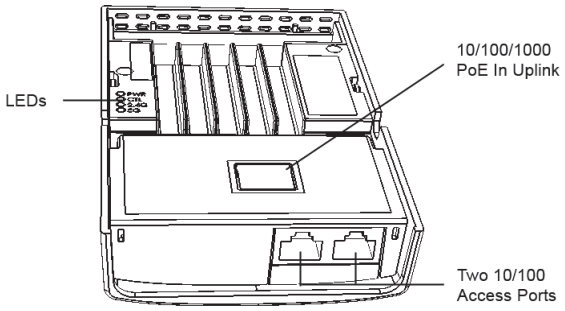
FIGURE 1 Front View



1. After removing your H320 from its package, place it next to your computer.
2. Using an Ethernet cable, connect your computer's network port to the PoE injector or PoE switch that will provide power to the H320.
3. Using another Ethernet cable, connect the PoE In port on the H320 to a PoE injector or PoE switch.
4. Power on the PoE switch or PoE injector.
5. Verify that the PWR LED on the rear of the enclosure is a steady green.

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FIGURE 2 Rear and Bottom View



Step 3: Preparing your Computer for H320 Setup

NOTE: The following procedures assume Windows 7 as the operating system. Procedures for other operating systems 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 Internet** > **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 Internet Protocol Version 4 (TCP/IPv4) Properties dialog box appears.

   IMPORTANT-QSG: 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 available address in the 192.168.0.x network, except 192.168.0.1)
   - **Subnet mask**: 255.255.255.0
   - **Default gateway**: 192.168.0.1

   Leave the DNS server fields empty.
4. Click **OK** to save your changes. Your changes are put into effect immediately.

Step 4: Logging into the H320 Access Point

As specified in Step 3: Preparing your Computer for H320 Setup on page 2, the H320 should be directly connected to your computer(through the PoE In Ethernet port on the back of the H320) 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 H320:

   `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**. On your first login, you will be prompted to change the default password.
6. When the **Change Password** dialog box displays, enter the following:
   - **New Password**: Enter a new password
   - **Confirm Password**: Re-enter the new password
7. Click **Submit**.
8. Log in using the new password.

Step 5: Customizing the Wireless Settings

TABLE 1 Default H320 Access Point Settings (for your reference)

Network Names (SSIDs)	Wireless1—Wireless8 (2.4GHz radio) Wireless9—Wireless16 (5GHz radio)
Security (Encryption method)	Disabled for each wireless interface
Default Management IP Address	192.168.0.1

1. On the Web interface menu, click **Configuration** > **Radio 2.4G** or **Configuration** > **Radio 5G**. The**Configure > Wireless > Common** page appears.
2. Verify that the following options are active:

   Channel : SmartSelect

   Country Code: If you are not located in the United States of America, select your current country.
3. Click **Update Settings** if you made any changes.
4. Click any of the **Wireless #** (Wireless LAN Number) tabs at the top of the page.
5. In **Wireless Availability**, click **Enabled**.
6. Delete the text in the SSID field, then type a name for your network that will help your users identify this AP in their wireless network application
7. Click **Update Settings** to save your changes.
8. Repeat Steps 4-7 for each **Wireless #** (Wireless LAN Number) interface that you want to enable.
9. Click **Logout** to exit the Web interface.

NOTE: Optional: In a default R720 AP configuration, the AP uses a DHCP-assigned IP address.

If you anticipate logging into the AP regularly to perform monitoring or maintenance once it is in place, then you may want to consider switching from DHCP and instead assigning a static IP address to the AP.

a. On the menu, click **Configuration** > **Internet**.

b. Click the **Static IP** option.

c. Fill in the **IP Address** and **Mask** fields.

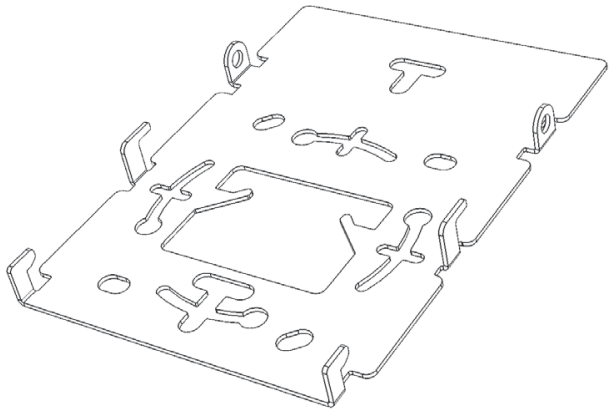
d. Click **Update Settings** to save your changes.

10. When the **Ruckus Wireless Admin** login page reappears, you can exit your browser.
11. Disconnect the H320 from the computer and from the power source, and then restore your computer to its original network connection configuration.

    Continue with Step 6: Attaching the Mounting Bracket to an Outlet Box on page 2.

Step 6: Attaching the Mounting Bracket to an Outlet Box

FIGURE 3 Mounting Bracket



1. Use either the original wall outlet box screws or the factory-supplied 1" Phillips pan head machine screws to attach the H320 mounting bracket to a single-gang wall outlet box.

   NOTE: The H320 mounting bracket has four hooks that face UP. Make sure that the hooks are facing up when attaching the mounting bracket to the wall outlet box.
2. Pull the uplink Ethernet cable for the H320 through the wall outlet box.
3. When you have extra bypass cables (one or two) that are to bypass the H320, pull them through the wall outlet box.

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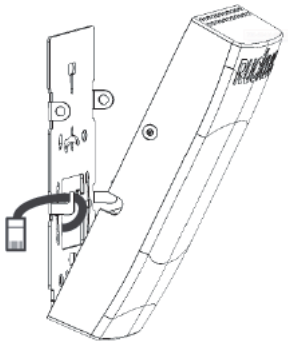
NOTE: *The bypass cables can be Ethernet, coax, or any other type of cable, as required.*

4. Drape the bypass cables across one of the upper hooks on either side of the mounting bracket.
5. Continue with Attaching H320 to the Mounting Bracket on page 3.

Attaching H320 to the Mounting Bracket

1. Make sure that the mounting bracket is securely fastened as described in Step 6: Attaching the Mounting Bracket to an Outlet Box on page 2.
2. If you have bypass cables (usually one or two, if any), then make sure that they are draped across one of the two upper hooks on the mounting bracket.

FIGURE 4 Attaching H320 to the Mounting Bracket



3. Pull the uplink Ethernet cable from your LAN through the outlet box, and plug it into the back of the H320.
4. The mounting bracket has two lower hooks that fit into slots on the bottom of the H320. Rest the bottom of the H320 on those hooks, and then tilt the H320 until it is up against the mounting bracket.

   Note that any optional bypass cable(s) should slide smoothly into the slots on the sides of the H320.
5. Use a T10 Torx driver to screw the factory-supplied Torx flat head machine screws through the H320 screw holes into the threaded inserts on the sides of the mounting bracket.
6. Continue with Step 8: Testing the H320 Operation on page 3.

Step 8: Testing the H320 Operation

After a short pause to re-establish the Internet connection, you can test the H320.

1. Using any wireless-enabled computer or mobile device, search for and select the wireless network you previously con- figured.
2. If you can connect, open a browser and navigate to any public web-site.
3. Using any wired computer or other device and an Ethernet cable, plug into an Ethernet port on the bottom of the H320.
4. Open a browser and navigate to any public web-site.
5. Repeat steps 3 and 4 for the rest of the Ethernet ports on the bottom of the H320.

   Congratulations!

   Your H320 is active and ready for use.

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