Unleashed H320 Access Point
Quick Setup Guide

This Quick Setup Guide provides step-by-step instructions on how to set up your Ruckus Wireless Unleashed 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 Unleashed 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 uplink port 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 Unleashed H320 does NOT support Mesh.

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
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- 이 가이드의 한국어 버전은 웹 사이트 (https://support.ruckuswireless.com) 에서 확인하시기 바랍니다
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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 are available at http://support.ruckuswireless.com/warranty

Package Contents

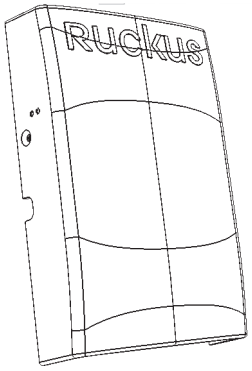
- Unleashed H320 Wall Switch Access Point
- Mounting bracket
- Two 6mm M3x0.5 thread Torx flat head machine screws
- Two 1” 6-32 thread Phillips pan head machine screws
- Product warranty statement
- Regulatory flyer
- Declaration of Conformity, if required
- This *Quick Setup Guide*

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 IEEE 802.3af/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 through the 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 Unleashed H320 to Power and Your Network

Figure 1: Front view

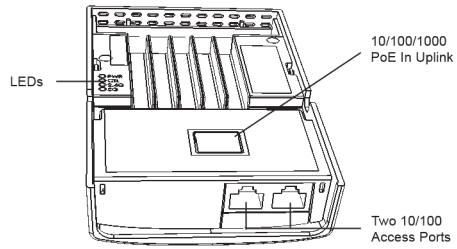


1. After removing your Unleashed AP from its package, connect it to your network switch or router using an Ethernet cable.
2. Using an AC adapter (sold separately), connect the AP 12VDC port to a protected power source.
   - Alternatively, connect the PoE port to a PoE injector or PoE switch for both power and network connections.

Note: If you will be using PoE, then you will need a Cat5e (or better) Ethernet cable to connect the AP to the PoE injector or switch.

3. Verify that the **PWR** LED on the rear of the enclosure is a steady green.

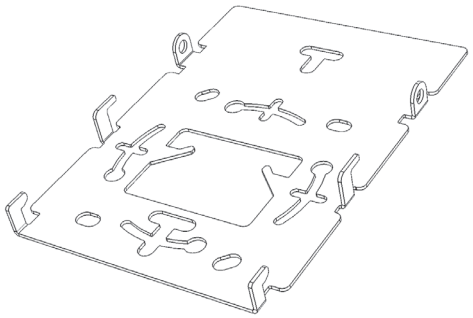
Figure 2: Rear and bottom view



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Step 3: 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.

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.

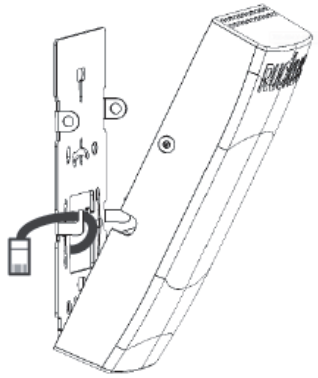
5 Continue with Step 4: Attaching the H320 to the Mounting Bracket.

Step 4: Attaching the H320 to the Mounting Bracket

1 Make sure that the mounting bracket is securely fastened as described in Step 3: Attaching the Mounting Bracket to an Outlet Box.

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 the 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 5: Log In and Run the Setup Wizard.

Step 5: Configure Your Unleashed Network

Unleashed can be deployed using either a Mobile App, available for both iOS and Android, or using your PC's web browser. Refer to the relevant section depending on which method you prefer to use:

- Step 5a: Setup Using the Unleashed Mobile App
- Step 5b: Setup Using a Web Browser

Step 5a: Setup Using the Unleashed Mobile App

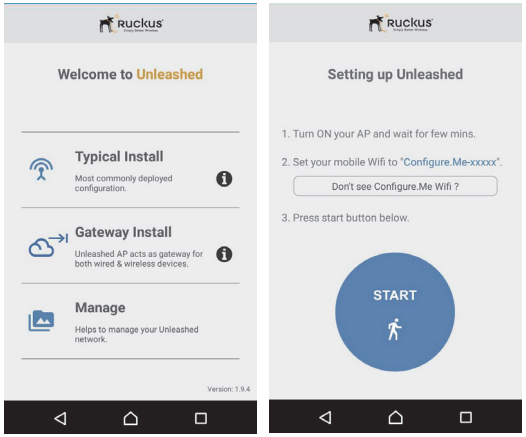
To perform setup using the Unleashed Mobile App, download the iOS or Android app from the app store.

1 As soon as the Unleashed AP is powered on and connected to the local network, it boots up and begins broadcasting a temporary unencrypted WLAN named "Configure.Me-[xxxxxx]" from both radios.

2 Using your client's Wi-Fi connection settings, select and associate to the "Configure.Me-[xxxxxx]" WLAN.

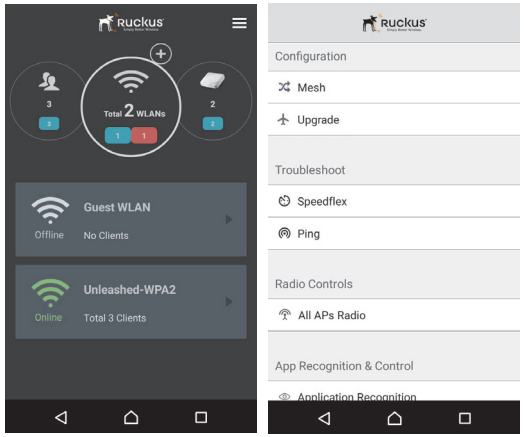
3 Launch the app, and follow the on-screen instructions to configure your Unleashed network(s).

Figure 5. Unleashed Mobile App for iOS and Android



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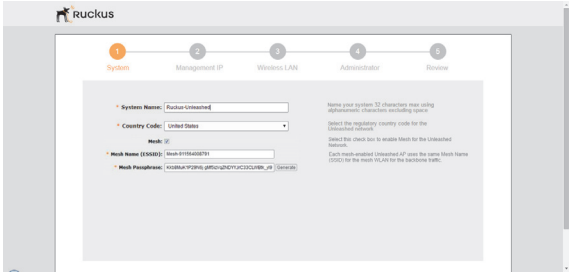
Figure 6. Configuring Unleashed from the Mobile App



Step 5b: Setup Using a Web Browser

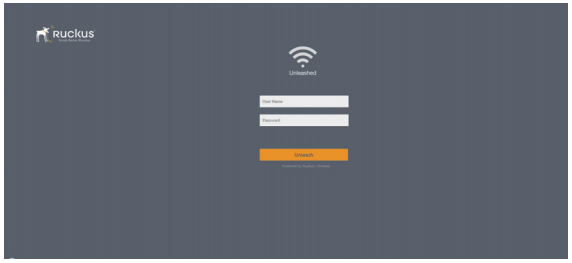
1 As soon as the Unleashed AP is powered on and connected to the local network, it boots up and begins broadcasting a temporary unencrypted WLAN named "Configure.Me-[xxxxxx]" from both radios.
2 Using your client's Wi-Fi connection settings, select and associate to the "Configure.Me-[xxxxxx]" WLAN.
3 Launch a web browser and enter the following into the browser's URL bar: unleashed.ruckuswireless.com, and press **Enter**.
4 You will be redirected to the Setup Wizard. Complete the steps in the Setup Wizard and click **Finish**.

Figure 7. Complete the Setup Wizard to set up your Unleashed network



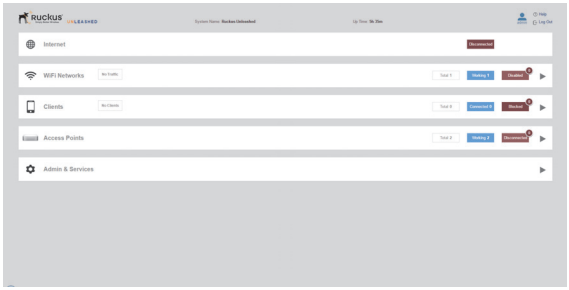
5 Once the Setup Wizard is finished, a "Configuring system settings and rebooting" progress screen appears. Wait until the process is complete.
6 Connect to the WLAN that you configured in the Setup Wizard, and click **OK** to reconnect. You will be redirected to the Unleashed login screen.
7 Enter your **Admin Name** and **Password** to login.

Figure 8. The Login page



8 Upon successful login you will be presented with the Unleashed Dashboard, which displays an overview of your Ruckus Unleashed network.

Figure 9. The Unleashed Dashboard



9 Click **OK** to save your changes.

Your changes are put into effect immediately. Continue with Step 6: Customize Your Wireless LANs.

Step 6: Customize Your Wireless LANs

Once the Unleashed Master AP has been initialized, you can fine-tune the settings of your first WLAN (that you created during the setup wizard), and create any additional WLANs needed prior to attaching additional Unleashed member APs. Then, when you deploy additional member APs in whatever order you prefer, they will automatically retrieve all WLAN configuration settings (and any other settings you have configured) from the Unleashed Master AP.

1 From the Dashboard, click anywhere in the WiFi Networks section to expand the display of your deployed WLANs.
2 On the left side of the screen, select the WLAN box for the WLAN you would like to configure, and click the **Edit** button to edit the configuration; or click **Create** to create a new WLAN.
3 If you made any changes to the original WLAN, you will be disconnected and will need to reconnect once the changes have been deployed on the AP radios.

Congratulations! Your Unleashed network is now configured and ready for use. You may now proceed to Step 7: Deploy Additional Unleashed Access Points.

Step 7: Deploy Additional Unleashed Access Points

Deploying additional Unleashed member APs is simply a matter of connecting them to the same Layer 2 network (subnet) and providing power. They will discover the Unleashed Master and join automatically. No additional steps are necessary.

Step 8: Testing the H510 Operation

After a short pause to re-establish the Internet connection, you can test the H510.

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 navigate to any public website.
3 Using any wired computer or other device and an Ethernet cable, plug into an Ethernet port on the bottom of the H510.
4 Open a browser and navigate to any public website.
5 Repeat Step 3 and Step 4 for the rest of the Ethernet ports on the bottom of the H510.
6 Verify that all connected PoE-powered devices and USB devices are working correctly.

For More Information

For more information on managing your Unleashed network, refer to the *Ruckus Wireless Unleashed Access Point Online Help*, available from https://docs.ruckuswireless.com/unleashed/.

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