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Unleashed H550 Access Point Quick Setup Guide

This Quick Setup Guide provides step-by-step instructions on how to set up your Unleashed H550 Dual Band 802.11ax Multimedia Wi-Fi Access Point Wall Switch. After completing the steps described in this guide, you will be able to access the H550 Access Point Wall Switch and begin providing wired and wireless network access to users. The rest of this document refers to the H550 Access Point Wall Switch as the H550.

The Unleashed H550 has many options:

- It can be mounted on a standard USA- or EU-style single-gang wall outlet box.
- It can be powered by a customer-supplied IEEE 802.3af- or 802.3at, or IEEE 802.3bt-compliant PoE switch or injector, or can be powered by an optional customer-ordered DC power adapter.
- It has side slots for one or two bypass cables. The mounting bracket has locating hooks to keep the bypass cables aligned with the slots when attaching the H550 to the mounting base.
- It can have a 3W customer-supplied USB device plugged in. The USB device is very difficult to remove after the H550 is attached to the mounting base.

About Peripheral Devices

The H550 can supply power to USB devices and PoE-powered devices, and the power supplied depends on the PoE power supplied to the H550.

- The USB port can supply power up to a maximum of 3W. The port is intended for customer-specific USB peripherals.
- The LAN4 + PoE Out port is intended for PoE-powered peripheral devices such as IP telephones.

TABLE 1 H550 Power Options and Available Power for PoE Out and USB

H550 Power Source	Power Availablity	
	PoE_Out	USB
802.3af	Disabled	Disabled
802.3at	8.4W (@PD, 20m)	Enabled
	12.4W (@PD, 20m)	Disabled
	Disabled	Enabled
802.3bt, PoH, uPoE, DC Power	12.95W (@PD, 100m)	Enabled

This Guide in Other Languages

- 请从以下网站获得该指南的简体中文版 http://docs.commscope.com/?docs-box.
- Vous trouverez la version française de ce guide à l'adresse suivante http://docs.commscope.com/?docs-box.
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Before You Begin

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

- Release Notes and other user documentation 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/open_source.

Package Contents

- H550 Access Point Wall Switch
- Mounting bracket
- Two 6-mm M3x0.5 Torx flat head machine screws
- Two 1-inch 6-32 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/bt-compliant PoE switch and customer-supplied Ethernet cable
  - Customer-supplied IEEE 802.3af/at-compliant PoE injector and customer-supplied Ethernet cable
  - Customer-ordered DC power adapter (RUCKUS part number 902-2170-XX00, sold separately)
- An Ethernet cable with or without PoE run through the wall from your LAN through the wall outlet box
- A PC with an Ethernet port and a wireless card with customer-supplied Cat 5e or better Ethernet cable
- (Optional) One or two separate bypass cables run through the outlet box

Step 2: Connecting the AP to Power and Your Network

1. After removing your Unleashed AP from its package, connect it to your network switch or router using an Ethernet cable.

FIGURE 1 Front view



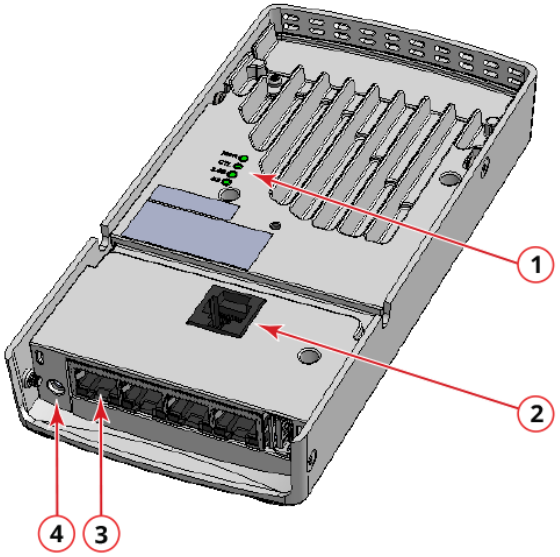
2. Using an AC adapter (sold separately), connect the AP 48V DC port to a protected power source.

> **NOTE:** If you will be using PoE, then you will need a Cat 5e (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 green. LED may be solid or blinking.

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FIGURE 2 Rear and Bottom View



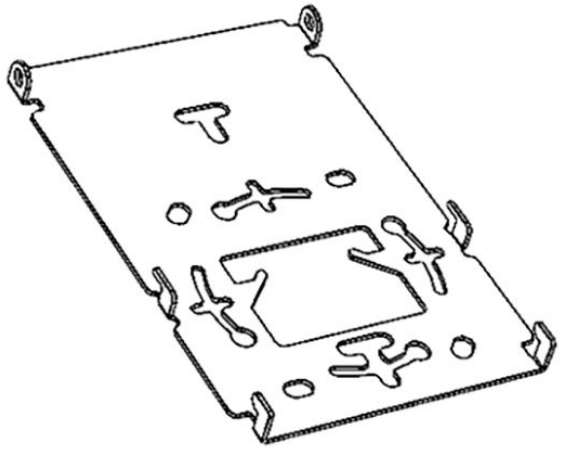
1. LEDs
2. PoE In Port
3. LAN 4 + PoE Out Port
4. 48V DC Port

Step 3: Attaching the Mounting Bracket to a Wall Outlet Box

1. Use either the original wall outlet box screws or the factory-supplied 1-inch Phillips pan head machine screws to attach the H550 mounting bracket to a single-gang wall outlet box.

NOTE: The H550 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.

FIGURE 3 Mounting Bracket



2. Pull the LAN uplink Ethernet cable for the H550 through the wall outlet box.
3. If you are powering the H550 with a customer-ordered 48V DC power adapter, ensure that the power cable is able to reach the DC in port without obstructing the AP and preventing the AP from mounting flush with the wall bracket.
4. When you have extra bypass cables (usually one or two) that are to bypass the H550, pull them through the wall outlet box.

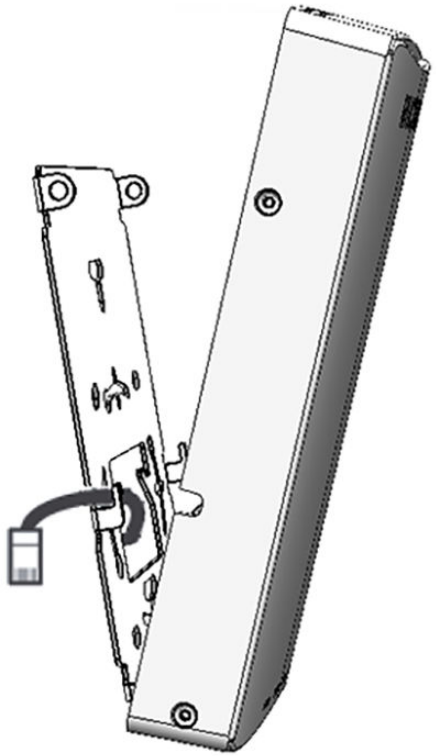
NOTE: The bypass cables can be Ethernet, coaxial, or any other type of cable, as required.

Drape the bypass cables across one or both of the upper hooks on either side or both sides of the mounting bracket.

Step 4: Attaching the H550 to the Mounting Bracket

1. Make sure that the mounting bracket is securely fastened as described in Step 3: Attaching the Mounting Bracket to a Wall Outlet Box on page 2.
2. If you have bypass cables (usually one or two, if any), make sure that they are draped across one or both of the two upper hooks on the mounting bracket.

FIGURE 4 Attaching the H550 to the Mounting Bracket



3. If you are installing a customer-supplied USB device (such as a BLE beacon), then plug it securely into the USB jack on the bottom of the H550.
4. Pull the uplink Ethernet cable from your LAN through the outlet box, and plug it into the back of the H550.
5. The mounting bracket has two lower hooks that fit into slots on the bottom of the H550. Rest the bottom of the H550 on the lower hooks, and tilt the H550 until it is up against the mounting bracket.

NOTE: Any optional bypass cables should slide smoothly into the slots on the sides of the H550.

6. Use a T10 Torx driver to screw the factory-supplied Torx flat head machine screws through the H550 screw holes into the threaded inserts on the sides of the mounting bracket.
7. After the H550 has powered on, depending on the power mode, either the USB power or PoE Out may be disabled.

Step 5: Configure Your Unleashed Network_H550

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 on page 3.

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- Step 5b: Setup Using a Web Browser on page 3.

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

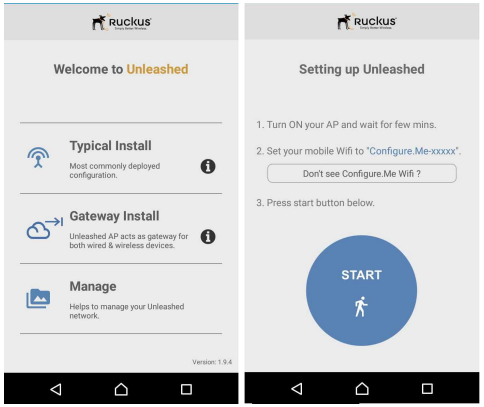
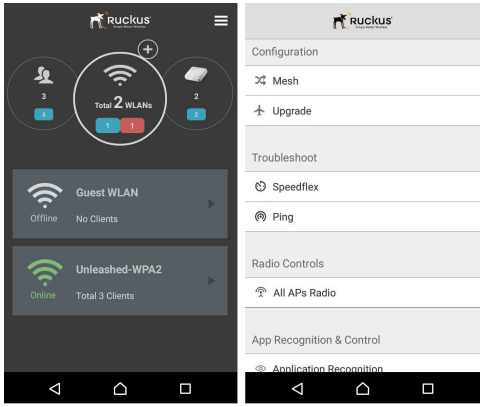


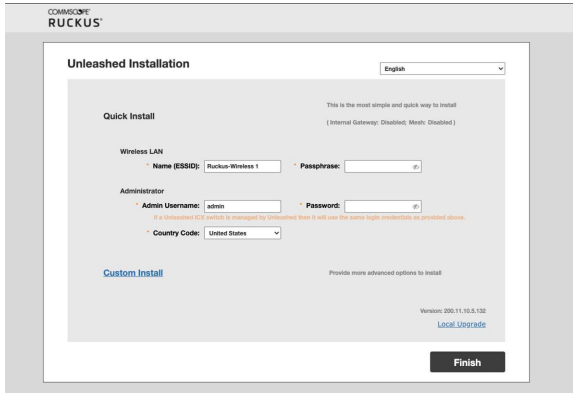
FIGURE 6 Configuring Unleashed from the Mobile App



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.

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: Deploying Additional Unleashed Access Points on page 3.

Step 7: Deploying 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 H550 Operation

After a short pause to re-establish the Internet connection, you can test the H550.

1. Using any wireless-enabled PC 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 PC or other device and an Ethernet cable, plug into an Ethernet port on the bottom of the H550.
4. Open a browser and navigate to any public website.
5. Repeat Step 3 and Step 4 in this procedure for the other Ethernet ports on the bottom of the H550.
6. Verify that all connected PoE-powered devices and USB devices are working correctly.

   Congratulations! Your H550 is active and ready for use.

For More Information

For information on how to configure and manage your Unleashed deployment, refer to the *RUCKUS Unleashed User Guide*, available at https://docs.commscope.com/bundle/unleashed-200.11-onlinehelp.

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