



Unleashed™ R500 Access Point Quick Setup Guide

This Quick Setup Guide provides step-by-step instructions on how to set up your Ruckus Wireless Unleashed R500 Dual Band 802.11ac WiFi Access Point. After completing the steps described in this Guide, the Unleashed Master Access Point (Master AP) will be created. Additional Unleashed access points can be added to the network for additional coverage and capacity.

Before You Begin

Before deploying Ruckus Wireless products, please check for the latest software and 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 R500 Access Point
- One wall-mount anchor kit, including two 1" No. 8 steel panhead Phillips sheet metal screws, one 5mm M2.5 x 1.06 Torx security screw, and wall-mount anchors
- One external T-bar bracket (two unassembled parts)
- One unit removal pin
- Regulatory flyer
- Product warranty statement
- Declaration of Conformity, if required
- This *Quick Setup Guide*

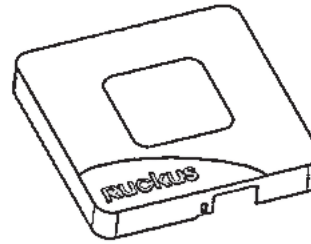
Step 1: Collect Tools and Setup Requirements

Make sure that you have the following setup requirements:

- A PC/Mac/mobile client with a WiFi network adapter and a web browser
- One Cat 5e Ethernet cable
- Network switch or router, with Internet connectivity
- An AC power adapter (sold separately), or
- an 802.3af or 802.3at -compliant Power over Ethernet (PoE) switch or PoE injector
- No. 2 Phillips screwdriver and T8 Torx driver for wall mounting anchor kit
- When mounting the Unleashed R500 to a truss or pole, two customer-supplied cable ties

Step 2: Connect the AP to Power and Your Network

Figure 1. : Top view

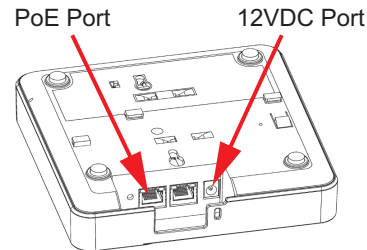


- 1 After removing your Unleashed AP from its package, connect it to your network switch or router using an Ethernet cable.
- 2 Using an AC adapter (sold separately), connect the AP 12VDC port to a protected power source.
 - Alternatively, connect the PoE port to a PoE injector or PoE switch for both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

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

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

Figure 2. : Bottom view



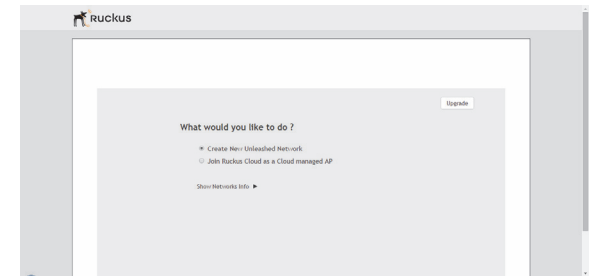
Step 3: Log In and Run the Setup Wizard

- 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 ESSID named “Configure.Me-[xxxxxx]” from the 2.4 GHz radio only.
- 2 Using your client’s WiFi configuration settings, select and associate to the “Configure.Me-[xxxxxx]” SSID.
- 3 Launch a web browser and enter the following into the browser’s URL bar: unleashed.ruckuswireless.com, and press **Enter**.

Figure 3. Connect to the “ConfigureMe” SSID



Figure 4. : Select Create New Unleashed Network



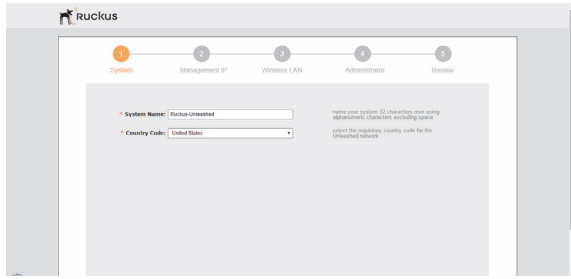
- 4 Select **Create New Unleashed Network**, and click **Start** to begin.
- 5 The “Configuring Unleashed Master” progress screen displays the progress. Wait until the initialization process completes.

Note: Do NOT disconnect the power or network cable from the device during the setup process.

Note: The Unleashed Master initialization process can take up to 5 minutes to complete.

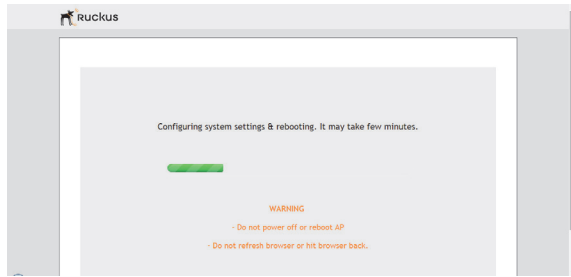
- 6 Once initialization is complete, ensure that you are still connected to the “Configure.Me” SSID, and click **Next**.
- 7 You will be redirected to the Setup Wizard. Complete the steps in the Setup Wizard and click **Finish**.

Figure 5. Complete the Setup Wizard to set up your Unleashed network



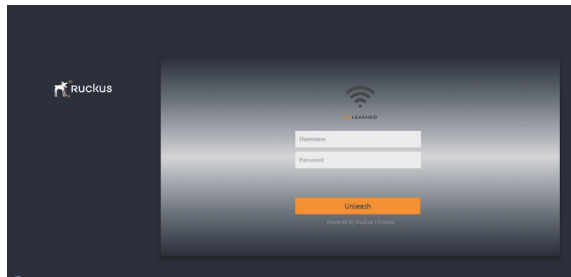
- Once the Setup Wizard is finished, a “Configuring system settings and rebooting” progress screen appears. Wait until the process is complete.

Figure 6. Configuring system settings and rebooting



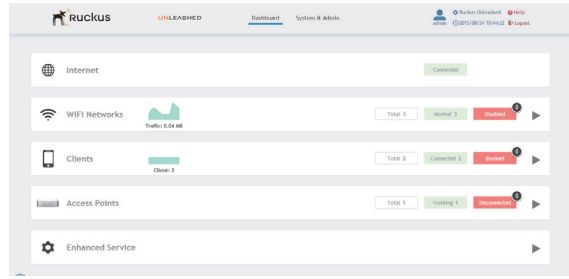
- Connect to the WLAN that you configured in the Setup Wizard, and click **OK** to reconnect. You will be redirected to the unleashed.ruckuswireless.com login screen.
- Enter your **Admin Name** and **Password** to login.

Figure 7. The Login page



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

Figure 8. : The Unleashed Dashboard



STEP 4: 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.

- From the Dashboard, click anywhere in the WiFi Networks section to expand the display of your deployed WLANs.
- 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.
- 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 5: Deploy Additional Unleashed Access Points](#).

STEP 5: 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.

FOR MORE INFORMATION

For more information on managing your Unleashed network, refer to the *Ruckus Wireless Unleashed Access Point User Guide*, available from <https://support.ruckuswireless.com>.

(OPTIONAL) MOUNTING INSTRUCTIONS

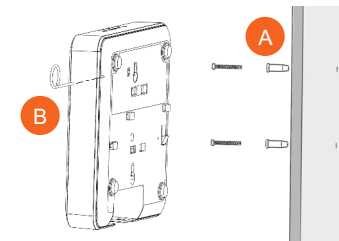
The Unleashed R500 can be mounted to a T-bar, wall or ceiling using the enclosed mounting kits. Refer to the following sections:

- [Mounting on a Flat Surface](#)
- [Mounting on a Recessed Drop-Ceiling T-Bar](#)
- [Mounting on a Flush Drop-Ceiling T-Bar](#)
- [Mounting on a Truss or Pole](#)

Mounting on a Flat Surface

- Use the Mounting Template on the last page of this *Quick Setup Guide* as a template to mark the locations for drill holes on the mounting surface. There are two sets of keyholes available on the AP. One allows the AP to be mounted to a wall or ceiling. The other allows the Unleashed R500 to be mounted to an accessory bracket (not included).
- Use a 5mm drill bit to drill holes approximately 25mm into the mounting surface (A in [Figure 9](#)).
- Insert the anchors and mounting screws into the mounting surface, leaving approximately 1/4” (6 mm) of the screw heads protruding for the AP enclosure.
- Insert the unit removal pin into the hole on the side of the AP to release the locking mechanism (B in [Figure 9](#)).
- Place the AP onto the mounting screws so that the screw heads enter the mounting holes on the AP enclosure, and push the AP down to lock in place.
- Remove the unit removal pin to release the locking mechanism and secure the AP.
- To remove the AP, insert the unit removal pin into the hole on the side of the AP to unlock, then push the AP up to release the AP enclosure from the mounting screws.

Figure 9. . Flat surface mounting



Mounting on a Recessed Drop-Ceiling T-Bar

Note: This mounting bracket can also be used on a flush drop-ceiling T-bar, so the four rubber feet on the bottom of the AP minimize ceiling tile displacement.

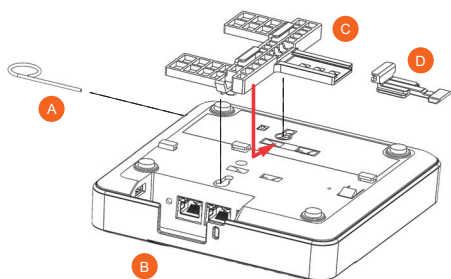
The enclosed T-bar bracket supports mounting to recessed drop ceiling T-bars.

- [Mounting an AP using the External Bracket](#)
- [Removing an External Bracket from a T-Bar](#)
- [Removing an External Bracket from an AP](#)

Mounting an AP using the External Bracket

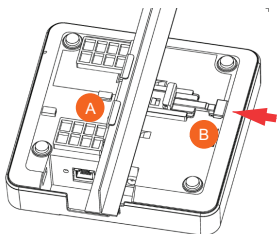
- 1 Insert the unit removal pin (A in [Figure 10.](#)) into the hole on the side of the Unleashed R500 (B in [Figure 10.](#)) to release the locking mechanism.

Figure 10. . Attaching the external bracket to the AP



- 2 Position the studs on the bottom of the T-bar bracket (C in [Figure 10.](#)) in the mounting holes on the Unleashed R500 enclosure, and then slide the T-bar bracket until the studs are in the narrow parts of the Unleashed R500 mounting keyholes (arrow).
- 3 Remove the unit removal pin (A in [Figure 10.](#)) to engage the locking mechanism and secure the T-bar bracket to the Unleashed R500.
- 4 Make sure that the locking tab (D in [Figure 10.](#)) is in the first position on the T-bar bracket (C in [Figure 10.](#)).
- 5 Gently push the ceiling tiles up and out of the way.
- 6 Position the T-bar bracket so its two clasps grip one edge of the T-bar (A in [Figure 11.](#)). Make sure that both clasps are gripping the T-bar.

Figure 11. . Attaching the external bracket to the T-bar



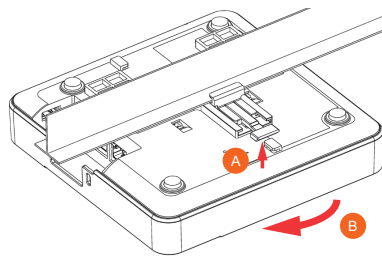
- 7 Hold the Unleashed R500 in place and gently push the locking tab (B in [Figure 11.](#)) until its clasp grips the other edge of the T-bar.

CAUTION: Make sure that all three clasps are gripping the T-bar!

Removing an External Bracket from a T-Bar

- 1 Move the ceiling tiles out of the way.
- 2 Gently lift up the locking tab (A in [Figure 12.](#)) by sliding your fingers under the tab.
- 3 While lifting up on the locking tab, rotate the Unleashed R500-and-T-bar bracket assembly (B in [Figure 12.](#)). The Unleashed R500-and-T-bar bracket assembly comes away from the T-bar.

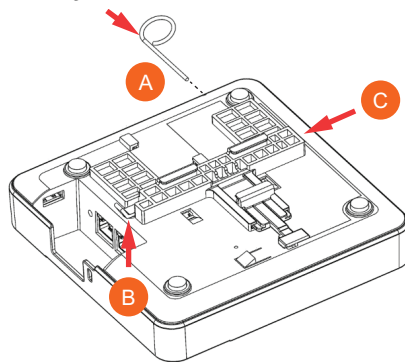
Figure 12. . Removing the external bracket from the T-bar



Removing an External Bracket from an AP

- 1 Insert the unit removal pin (A in [Figure 13.](#)) into the hole on the side of the Unleashed R500.
- 2 Gently lift up the retainer tab (B in [Figure 13.](#)).
- 3 Gently push the T-bar bracket (C in [Figure 13.](#)) until it detaches from the Unleashed R500.

Figure 13. . Removing the external bracket from an AP



Mounting on a Flush Drop-Ceiling T-Bar

- [Mounting an AP using the Integrated Bracket](#)
- [Removing an AP Integrated Bracket from a T-Bar](#)

Mounting an AP using the Integrated Bracket

- 1 Orient the AP so that the T-bar is positioned between the T-bar clips as shown in [Figure 14.](#), then rotate the AP until the third T-bar clip catches the T-bar and the latch locks the T-bar in place ([Figure 15.](#)).

Figure 14. . Attaching the integrated bracket to the T-bar

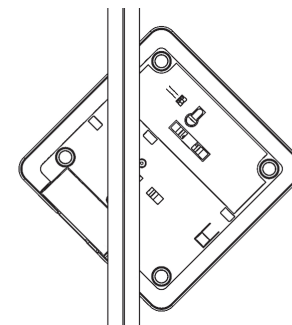
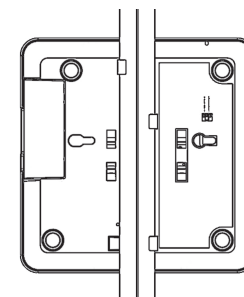


Figure 15. . Locking the integrated bracket to the T-bar



- 2 Insert the Torx security screw into the hole near the latch to lock the AP in place.

Removing an AP Integrated Bracket from a T-Bar

- 1 To remove the AP from a T-bar, first remove the security screw, then depress the latch while rotating the AP so that the T-bar clips disengage the T-bar.

Mounting on a Truss or Pole

- 1 Feed the customer-supplied cable ties through the two slots on the back of the Unleashed R500.
- 2 Fasten the Unleashed R500 to the truss or pole using the cable ties.

Mounting Template

