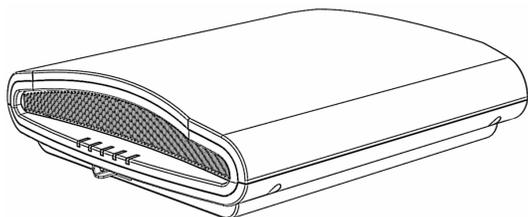




Unleashed R710 Access Point Quick Setup Guide

This Quick Setup Guide provides step-by-step instructions on how to set up your Ruckus Wireless Unleashed R710 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.

Figure 1. Ruckus Wireless Unleashed R710 Access Point



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>
- Product Limited Warranty documents are available at <http://support.ruckuswireless.com/warranty>
- Online Training Resources are available at <https://training.ruckuswireless.com>

Package Contents

- Unleashed R710 Access Point
- One T-bar mounting assembly kit, including:
 - One T-bar bracket (2 separate plastic parts)
 - Two each 1.0" L x No. 8 steel Phillips panhead mounting screws and plastic wall anchors
- Regulatory flyer
- Product warranty statement
- Declaration of Conformity, if required
- This *Quick Setup Guide*

CONFIGURING THE AP

Continue with the following steps:

- **Step 1: Collect Tools and Setup Requirements**
- **Step 2: Connect the AP to Power and Your Network**
- **Step 3: Log In and Run the Setup Wizard**
- **Step 4: Customize Your Wireless LANs**
- **Step 5: Deploy Additional Unleashed Access Points**

Step 1: Collect Tools and Setup Requirements

- A computer running Windows 7 (procedures for other operating systems are similar).
- One Cat 5e (or better) Ethernet cable.
- A Ruckus Wireless 12VDC 902-1169-xx00 AC power adapter (sold separately)
 - OR--
 - an 802.3at-compliant Power over Ethernet (PoE) switch or PoE injector.
 - OR--
 - an 802.3af-compliant PoE switch or PoE injector.
- **NOTE:** The AP can operate off of 802.3af power, but the feature set is reduced: the USB port is disabled, the second (eth1) Ethernet port is disabled, and the 2.4 GHz transmit power is reduced from 28dBm to 25dBm (aggregate of spatial streams), and country limits apply.

Note: The PoE switch port must run link layer discovery protocol (LLDP) power over Ethernet/MDI (PoE+) in order for the Unleashed R710 to operate in full-power mode. This may require enabling both LLDP and Power via MDI (dot3) on the switch, if available.

Optional hardware and tools:

- Customer-supplied small padlock with a 3.5mm (0.14") or smaller shackle diameter, used to fasten the AP to the secure mounting bracket or the T-bar bracket.
- Customer-ordered Ruckus Wireless 902-0120-0000 secure mounting bracket kit:
 - If you are mounting the AP on a flat surface using the secure mounting bracket kit, then you need an electric drill with 4.75mm (3/16") drill bits.
 - If you are mounting the AP on a pipe or pole using the secure mounting bracket kit, then you will also need a 38.1mm to 63.5mm (1.5" to 2.5") pipe or pole, two included stainless steel clamps, and hand tools to tighten the clamps.

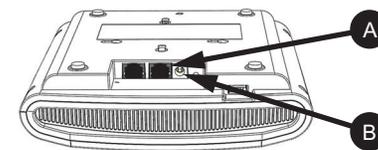
Continue with **Step 2: Connect the AP to Power and Your Network.**

Step 2: Connect the AP to Power and Your Network

Note: The AP can use link aggregation control protocol (LACP) to bond the two physical Ethernet ports together to form a single logical channel. Refer to the *Configuring Link Aggregation (LACP) Using CLI* section in the *Indoor AP User Guide*.

- A** After removing your Unleashed AP from its package, connect it to your network switch or router using an Ethernet cable.
- B** Using an AC adapter (sold separately), connect the AP 12VDC port to a protected power source (B in Figure 2).
Alternatively, connect the 10/100/1000 **POE In** port to a PoE injector or switch for both power and network connectivity (A in Figure 2).

Figure 2. AP ports



- C** Verify that the **PWR** LED on the AP is a steady green. Continue with **Step 3: Log In and Run the Setup Wizard.**

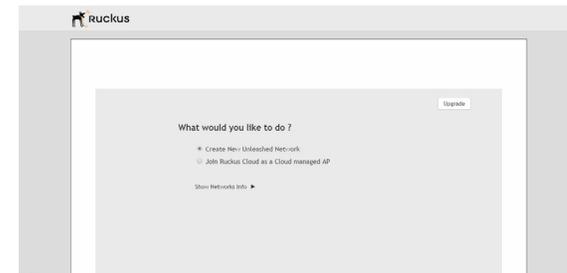
Step 3: Log In and Run the Setup Wizard

- A** 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 the 2.4 GHz radio only.
- B** Using your client's WiFi configuration settings, select and associate to the "Configure.Me-[xxxxxx]" WLAN.
- C** 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" WLAN

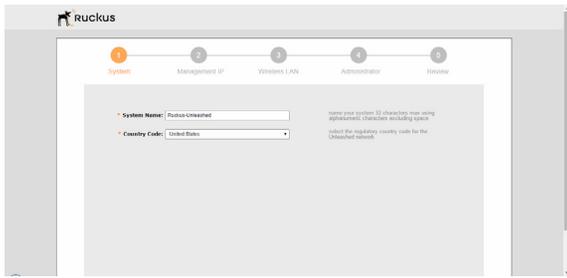


Figure 4. : Select Create New Unleashed Network



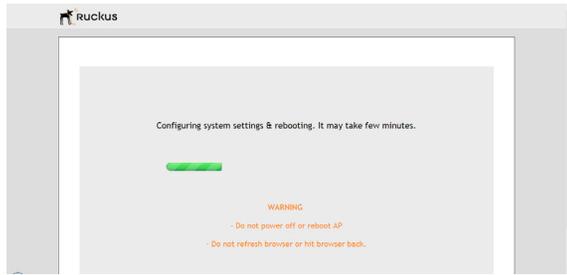
- D** Select **Create New Unleashed Network**, and click **Start** to begin.
 - E** The "Configuring Unleashed Master" progress screen displays the progress. Wait until the initialization process completes.
- Note:** Do NOT disconnect the power or network cable from the device during the setup process.
- F** Once initialization is complete, ensure that you are still connected to the "Configure.Me" WLAN, and click **Next**.
 - G** 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



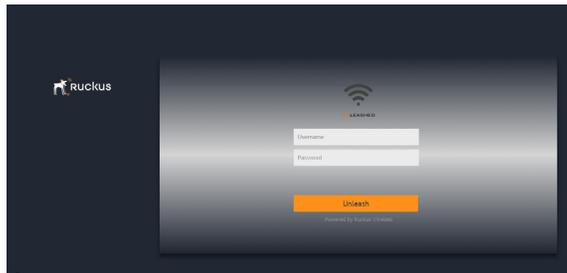
- H Once the Setup Wizard is finished, a "Configuring system settings and rebooting" progress screen appears. Wait until the process is complete. This process should take approximately three minutes.

Figure 6. Configuring system settings and rebooting



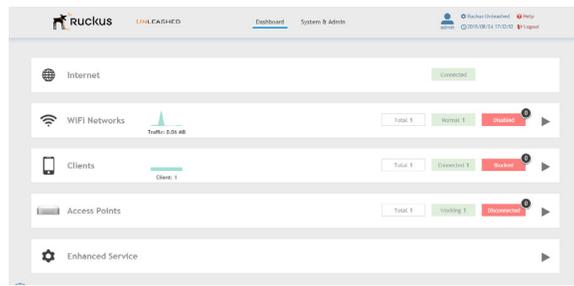
- I Connect to the WLAN that you configured in the Setup Wizard, and click **OK** to reconnect. You will be redirected to the Unleashed login screen.
 j Enter your **Admin Name** and **Password** to login.

Figure 7. The Login page



- K 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



- L Click **OK** to save your changes. Your changes are put into effect immediately. Continue with **Step 4: Customize Your Wireless LANs**.

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.

- A From the Dashboard, click anywhere in the WiFi Networks section to expand the display of your deployed WLANs.
 B 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.
 C 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.

(OPTIONAL) MOUNTING INSTRUCTIONS

The AP can be mounted to a drop-ceiling T-bar, flat surface, or a pole using Ruckus Wireless AP mounting kits. Refer to the following sections:

- [Mounting on a Drop-Ceiling T-Bar](#)
- [Mounting on a Flat Surface](#)
- [Mounting on a Flat Surface or Pole Using the Optional Secure Mounting Bracket](#)

Mounting on a Drop-Ceiling T-Bar

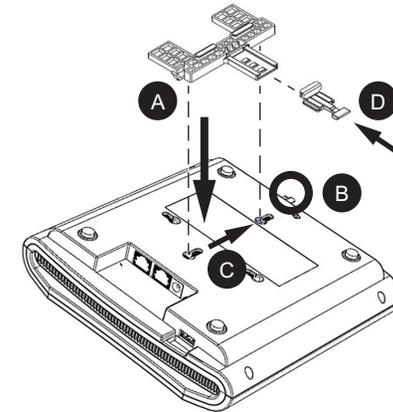
The factory-supplied T-bar mounting assembly kit allows you to attach the AP to recessed and flush drop-ceiling T-bars.

- A Position the studs on the bottom of the T-bar bracket (A in [Figure 9](#)) in the keyholes on the AP enclosure.

Note: There is a second set of keyholes that are for optional sideways mounting on a drop-ceiling T-bar. Physical security is not supported when mounting the AP with this set of keyholes.

- B Slide the T-bar bracket away from the Ethernet ports on the bottom of the AP until the AP retainer tab (B in [Figure 9](#)) snaps into place, trapping the T-bar bracket studs in the keyholes (C in [Figure 9](#)).

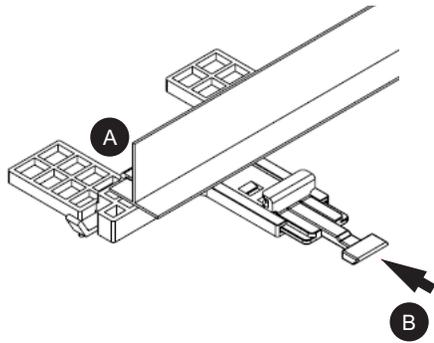
Figure 9. Attaching the T-bar bracket to the AP



- A Insert the locking tab (D in [Figure 9](#)) so it is in the first position on the T-bar bracket (A in [Figure 9](#)).
 B Gently push the ceiling tiles, if present, up and out of the way.
 C Position the T-bar bracket so its two clasps grip one edge of the T-bar (A in [Figure 10](#)). Make sure that both clasps are gripping the T-bar.
 D Hold the AP in place and gently push the locking tab (B in [Figure 10](#)) in until its clasp grips the other edge of the T-bar.

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

Figure 10. Attaching the T-bar bracket to the T-bar



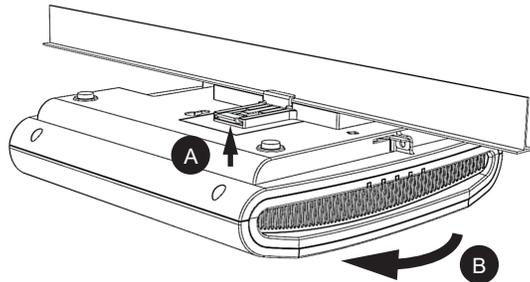
- E (Optional) Attach a customer-supplied padlock through the bracket AP retainer tab (B in Figure 9) to lock the AP to the T-bar bracket studs.

When you are done, the AP is mounted.

Removing the AP from the T-bar:

- A Move the ceiling tiles out of the way, if present.
 B Gently lift up the locking tab (A in Figure 11) by sliding your finger under the tab.
 C Rotate the AP- and-T-bar bracket assembly (B in Figure 11). The AP- and-T-bar bracket assembly comes away from the T-bar.

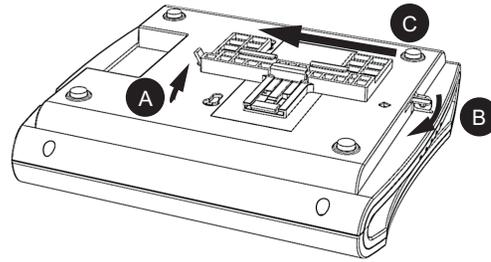
Figure 11. Removing the AP and T-bar bracket from the T-bar



Removing the T-bar bracket from the AP:

- A If the AP is locked to the T-bar bracket, then remove the lock.
 B Gently lift up the T-bar bracket locking tab (A in Figure 12) and push the AP retainer tab (B in Figure 12) to the side at the same time.
 C While lifting up the T-bar bracket locking tab and pushing the AP retainer tab to the side, gently push the T-bar bracket (C in Figure 12) toward the Ethernet ports on the bottom of the AP until the bracket detaches from the AP.

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

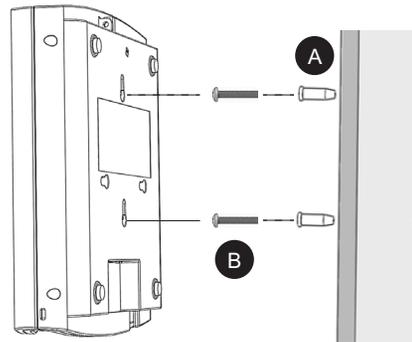


Mounting on a Flat Surface

The factory-supplied mounting screws and plastic wall anchors allow you to attach the AP to a wall or ceiling.

- A Use the Mounting Template on the last page of this *Quick Setup Guide* to mark the locations for two drill holes on the mounting surface. **Note:** There is a second set of keyholes that are for optional sideways mounting on a flat surface. Physical security is not supported when mounting the AP with this set of keyholes.
 B Use a 4.75mm (3/16") drill bit to drill holes approximately 25mm (1") deep into the mounting surface.
 C Insert the factory-supplied anchors (A in Figure 13) and mounting screws (B in Figure 13) into the mounting surface, leaving approximately 6 mm (1/4") of the screw heads protruding for the AP enclosure.

Figure 13. Flat surface mounting



- A Place the AP onto the mounting screws so the screw heads enter the keyholes on the AP enclosure, and push the AP down until the AP retainer tab (B in Figure 12) snaps into place.
 B (Optional) Attach a customer-supplied padlock through the integral AP retainer tab (B in Figure 12) to lock the AP to the mounting screw heads.
 C To remove the AP from the factory-supplied mounting screws, push sideways on the AP retainer tab (B in Figure 12), to unlock, then push the AP up to release the AP enclosure from the mounting screws.

Mounting on a Flat Surface or Pole Using the Optional Secure Mounting Bracket

Note: For more complete instructions, refer to the Mounting Guide that comes with the secure mounting bracket.

The customer-ordered Ruckus Wireless secure mounting bracket kit (ordering part number 902-0120-0000) includes a metal mounting bracket and provides greater security when attaching the AP to flat surfaces (walls and ceilings) and to poles.

- If you are mounting the AP on a flat surface, then you will also need an electric drill with a 4.75mm (3/16") drill bit, and the four No. 6 zinc plated screws and plastic wall anchors included with the kit.
- If you are mounting the AP on a truss or pole, then you will also need the two pipe clamps included with the kit.

Continue with the following:

- A If you are mounting the AP on a flat surface, then use the secure mounting bracket as a template to mark the locations for four drill holes on the mounting surface. There are four screw holes available on the secure mounting bracket. Fasten the bracket to the flat surface using four mounting screws and plastic wall anchors and continue with **Step D**.
 B If you are mounting the AP on a pipe or pole, then feed the two stainless steel clamps included with the kit through the slots on the secure mounting bracket. Use common hand tools to tighten the clamps around the pipe or pole.
 C After the bracket is attached, continue with **Step D**.
 D Insert the two studs on the secure mounting bracket into the keyholes on the bottom of the AP, as shown in Figure 9. **Note:** There is a second set of keyholes that are for optional sideways mounting on a flat surface. Physical security is not supported when mounting the AP with this set of keyholes.
 E Slide the AP toward the Ethernet ports on the AP. The AP has a built-in lock for the secure mounting bracket studs, and snaps into the locked position when the studs are fully in the keyholes.
 F (Optional) Attach a customer-supplied padlock through the integral AP retainer tab (B in Figure 12) to fasten the AP to the secure mounting bracket studs.

Removing the AP from the secure mounting bracket:

- A If the AP is locked to the secure mounting bracket, then remove the lock.
 B Gently push and hold the AP retainer tab (B in Figure 12) to the side to release the secure mounting bracket.
 C While holding the AP retainer tab to the side, slide the AP away from the Ethernet ports on the bottom of the AP.

FOR MORE INFORMATION

For information on how to configure and manage your Unleashed network, refer to the *Ruckus Wireless Unleashed Access Point Online Help*, available by clicking the "Help" button from within the user interface, or from <https://docs.ruckuswireless.com>.

Mounting Template

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