Unleashed C110 Cable Modem Access Point Quick Setup Guide

This Quick Setup Guide provides step-by-step instructions on how to set up your Ruckus Wireless C110 Dual Band 802.11ac Wall Plate Cable Modem Access Point. After completing the steps described in this Guide, you will be able to access the C110 and begin providing wired and wireless network access to your users.

The C110 has many options:

- Includes DOCSIS (or EuroDOCSIS) 3.0 cable modem
- It can be mounted on a standard USA- or EU-style single-gang wall outlet box.
- It has bottom cutouts for one or two bypass cables. The mounting bracket has locating hooks to keep the bypass cables aligned with the cutouts when attaching the C110 to the mounting base.
- It can have a low-power (0.5W or less) USB device plugged in.

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.

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

Before deploying your Ruckus Wireless Access Point, verify that all items listed in *Package Contents* are included in the package. If any item is damaged or missing, notify your authorized Ruckus Wireless sales representative. Also, make sure that you have the required hardware and tools.

Package Contents

- C110 Cable Modem Access Point
- AC/DC power supply
- Mounting bracket
- Two 6mm M3 Torx screws (white)
- Four 1" 6-32 thread Phillips pan head machine screws
- Two 4" long cable ties
- Product warranty statement
- Regulatory flyer
- Declaration of Conformity, if required
- This *Quick Setup Guide*

Required Tools and Setup Requirements

- No. 2 Phillips screwdriver and T10 Torx driver for the mounting bracket screws
- Coaxial cable for backhaul
- A standard USA- or EU-style single-gang wall outlet box

NOTE: If a standard wall outlet box is not available, Ruckus offers a C110 Spacer Bracket (part #902-0124-0000) as an optional accessory.

About Peripheral Devices

The C110 can supply power to USB devices through its USB port on the bottom of the unit.

The USB port is intended for low-power devices such as BLE (Bluetooth low energy) beacons. The maximum power that the USB port can supply is 0.5W.

Step 1: Configuring the Cable Modem (Optional)

NOTE: The C110 normally receives its latest WLAN AP and CM firmware and initial configuration settings from the Ruckus WLAN controller and cable modem termination system (CMTS) high speed data services equipment, respectively, when it powers up.

On boot up, the C110 will first attempt to use its cable modem interface as its uplink and connect to a cable operator's upstream CMTS. If successful, the cable modem component will first be updated with CMTS settings, and then the AP component will attempt to connect to a Ruckus WLAN controller either in the cloud or locally. If none is detected, the C110 will remain in unconfigured state, ready for configuration as an Unleashed Master AP, as described in the next task, *Configure Your Unleashed Network*.

Step 2: 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 2a: Setup Using the Unleashed Mobile App on page 1
- Step 2b: Setup Using a Web Browser on page 2

Step 2a: 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).

Copyright © 2018 ARRIS Enterprises LLC. All rights reserved.
Published March 2018, Part Number 800-71772-001 Rev A

FIGURE 1 Unleashed Mobile App for iOS and Android

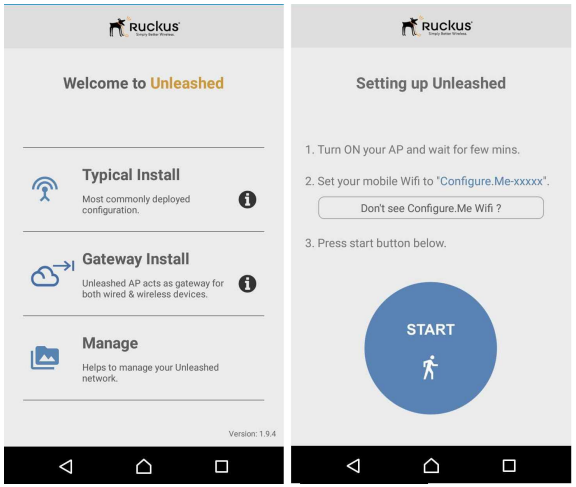
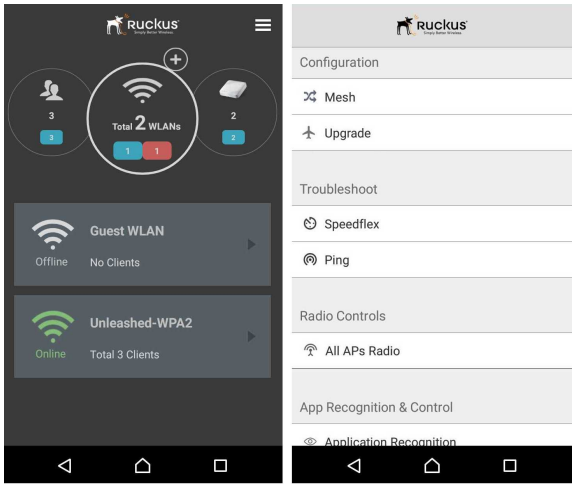


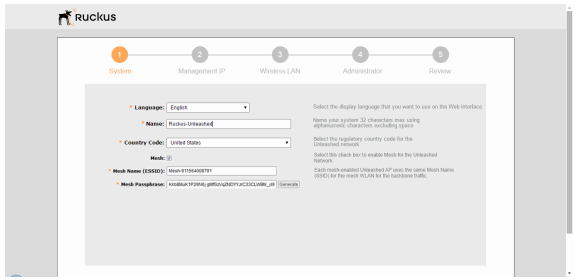
FIGURE 2 Configuring Unleashed from the Mobile App



Step 2b: Setup Using a Web Browser

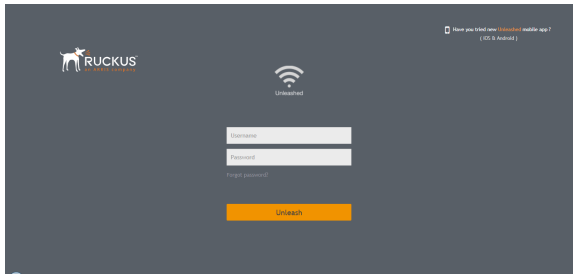
1. As soon as the Unleashed AP is powered on and connected to the local network, it boots up and begins broadcasting a temporary unencrypted WLAN named "Configure.Me-[xxxxxx]" from both radios.
2. Using your client's Wi-Fi connection settings, select and associate to the "Configure.Me-[xxxxxx]" WLAN.
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 3 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 4 The Login page



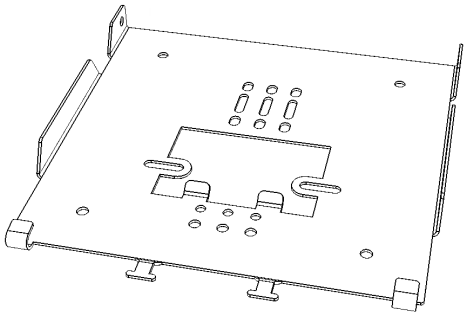
8. Upon successful login you will be presented with the Unleashed Dashboard, which displays an overview of your Ruckus Unleashed network.

STEP 3: ATTACHING THE MOUNTING BRACKET TO AN OUTLET BOX

NOTE: If an outlet box is not available, Ruckus offers a C110 Spacer Bracket Kit (part #902-0124-0000, sold separately) that provides options for mounting to a wall without an outlet box. For mounting instructions, refer to the *C110 Spacer Bracket Quick Setup Guide*, which is included in the bracket accessory kit.

1. Remove the flat mounting bracket from the rear of the AP.

FIGURE 5 Mounting Bracket



2. Using the four 1" 6-32 Phillips mounting screws, attach the C110 mounting bracket to a single-gang wall outlet box.

NOTE: The mounting bracket has two hooks that face UP. Make sure that the hooks are facing up when attaching the mounting bracket to the wall outlet box.

3. Pull the coaxial cable for the C110 through the wall outlet box.
4. Pull the power cable from the adapter through the wall outlet box.
5. Pull any bypass cables (up to two) through the wall outlet box. Note: The bypass cables can be Ethernet, coax, or any other type of cable, as required.

STEP 3b: ATTACHING THE C110 AP TO A WALL WITHOUT AN OUTLET BOX

1. Using a T10 torx screwdriver, remove the two torx locking screws from the sides of the AP.
2. Remove the metal mounting bracket from the rear of the AP.
3. Using the C110 Spacer Bracket Mounting kit (P/N: 902-0124-0000, not supplied), install the C110 and the

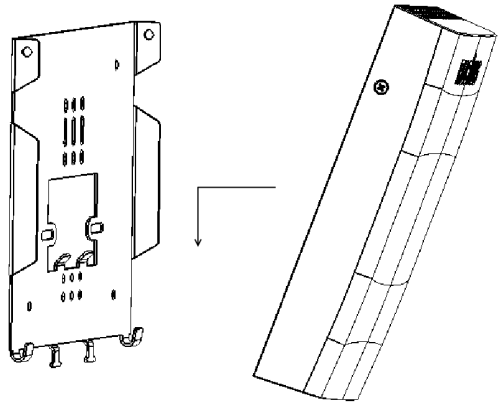
Copyright © 2018 ARRIS Enterprises LLC. All rights reserved.
Published March 2018, Part Number 800-71772-001 Rev A

wall bracket as described in the *C110 Spacer Bracket Quick Setup Guide*, which is included in the kit.

STEP 4: ATTACHING THE C110 TO THE MOUNTING BRACKET

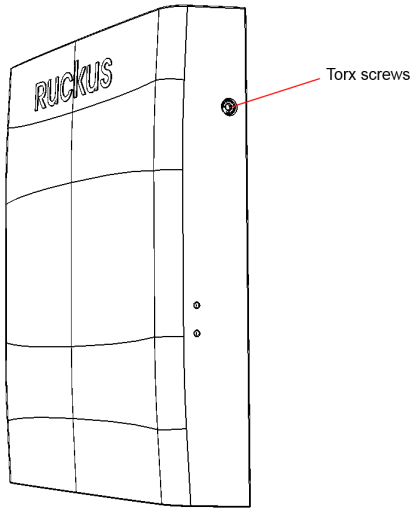
1. Pull any bypass cables (up to two) through the wall outlet box. Note: The bypass cables can be Ethernet, coax, or any other type of cable, as required.
2. If you are installing a USB device (such as a BLE beacon), then plug it securely into the USB jack on the bottom of the C110.
3. Pull the uplink coaxial cable from your network through the outlet box, and plug it into the back of the C110.
4. Connect the power adapter cable to the 12VDC in port on the back of the C110.
5. The mounting bracket has two lower hooks that fit into slots on the bottom of the C110. Rest the bottom of the C110 on those hooks, and then tilt the C110 toward the wall until it is up against the mounting bracket. Any optional bypass cable(s) should slide smoothly into the slots on the bottom panel of the C110.

FIGURE 6 Attaching the C110 to the Mounting Bracket



6. Use a T10 Torx driver to screw the two white torx machine screws through the C110 screw holes into the threaded inserts on the sides of the mounting bracket.

FIGURE 7 : Insert the torx screws to lock the AP to the bracket



STEP 5: TESTING THE C110 OPERATION

After a short pause to re-establish the Internet connection, you can test the C110.

NOTE: As Ruckus does not provide the CMTS side of the connection, the installer must first ensure that the cable modem connection to the CMTS is resolved prior to calling Ruckus Support.

1. Check that the cable modem LEDs are lit. Cable modem LEDs are labeled DS (downstream), US (upstream) and ONLINE.
2. Using any wireless-enabled computer or mobile device, search for and select the wireless network you previously configured (or auto-configured by CMTS).
3. If you can connect, open a browser and navigate to any public website.
4. Using any wired computer or other device and an Ethernet cable, plug into an Ethernet port on the bottom of the C110.
5. Open a browser and navigate to any public website.
6. Repeat Step 4 and Step 5 for the rest of the Ethernet ports on the bottom of the C110.
7. Verify that any connected USB devices are working correctly, if applicable.

Congratulations! Your C110 is active and ready for use.

ARRIS, the ARRIS logo, Ruckus, Ruckus Wireless, the Ruckus logo, and the Big Dog design are trademarks of ARRIS International plc and/or its affiliates. All other trademarks are the property of their respective owners.

Copyright © 2018 ARRIS Enterprises LLC. All rights reserved.
Published March 2018, Part Number 800-71772-001 Rev A