

[Home \(/s/\)](#)[TECHNICAL SUPPORT \(/s/contactsupport\)](#)**Caption**[FORUMS \(/s/forums\)](#)[TRAINING \(/s/cpu\)](#)[NETCLOUD \(/s/NetCloud\)](#) [Log in](#)

Search (Knowledge Base, Forums, Cases)

Search

## CBA850 Branch LTE Adapter Quick Start Guide

Aug 23, 2019 · Knowledge

### Content

## ARC CBA850 Branch LTE Adapter Quick Start Guide



### Introduction

This document provides a brief overview of the CBA850 LTE Adapter, discusses what's inside the box, and provides basic set up and install instructions.

---

### Navigation

[What's in the Box](#)[Hardware](#)[Before You Begin](#)[SIM Card Setup for Wireless Connectivity](#)[Setup](#)[Understanding LEDs](#)[Connecting to NetCloud](#)[Troubleshooting](#)[Resources](#)[Help and Support](#)[CBA850 Branch LTE Adapter Models](#)[Terms of Service](#)

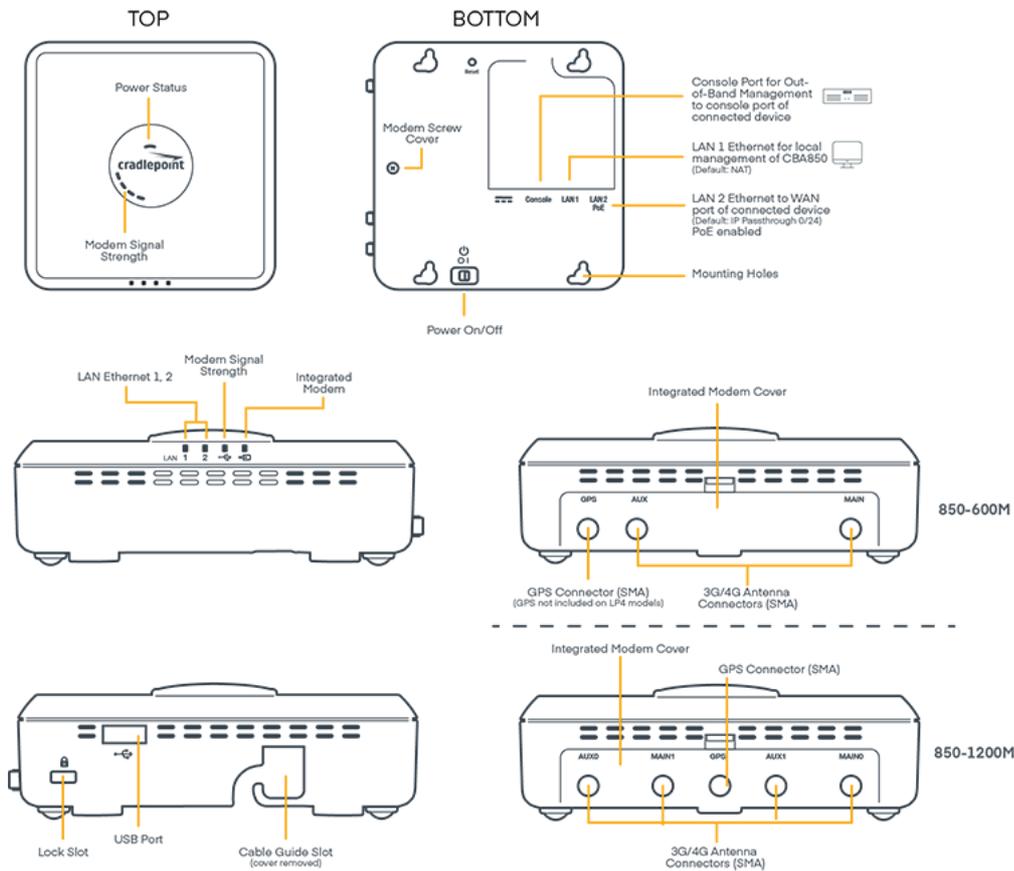
---

### What's in the Box

- A CBA850 with optional MC400 LTE modem
- Two universal LTE antennas with dedicated active GPS antenna port\*
- A 12 V DC / 1.5 A power adapter
- An ethernet cable
- A SIM door screw
- Mounting hardware
- Safety, Warranty, and Regulatory Guide

\*GPS not included on LP4 models

### Hardware



**Before You Begin**

Read the following before setting up your CBA850 Branch LTE Adapter.

**SIM Card Setup for Wireless Connectivity**

A wireless broadband data plan must be added to your Cradlepoint CBA850 for wireless broadband connectivity. Wireless broadband data plans are available from wireless carriers such as Verizon, AT&T, Sprint, EE, and Vodafone. The SIM must be provisioned by the carrier. Contact your carrier for details about selecting a data plan and about the process for provisioning your SIM.

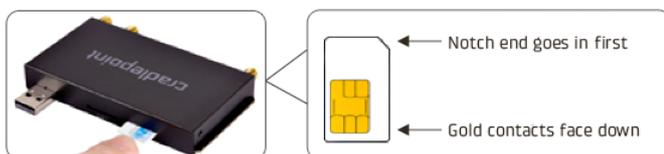
**Setup**

Read through the following to set up your CBA850 Branch LTE Adapter.

**1. Insert an Activated 2FF-Sized SIM.**



- The CBA850 includes a modular modem that may be installed by the factory. If the modem is installed, unscrew and remove the modem door and then carefully pull the MC400 modem out of the CBA850.
- Insert the SIM into the slot marked SIM1 with metal contacts down and notch in. It will click into place. Depress again to remove.
- Use SIM2 slot for secondary/backup. For more information about using dual modems, refer to [Effectively Utilizing 2-SIM Modems](https://customer.cradlepoint.com/s/article/NCOS-Effectively-utilizing-2-SIM-modems) (<https://customer.cradlepoint.com/s/article/NCOS-Effectively-utilizing-2-SIM-modems>).



## 2. Insert the MC400 modular modem.



- Slide modem into the modem slot, USB port first, and the Cradlepoint logo on the bottom.
- Replace the modem cover and secure with the modem door screw.

## 3. Connect LAN sources



- LAN1 is for local management of the CBA850. LAN2 is for IP Passthrough.
- Connect LAN2 to the WAN port of the connected networking equipment.

## 4. Attach included modem antennas.



- Attach the two modem antennas (included with selected modular modem) to the connectors marked MAIN and AUX.
- Hold the antenna straight and twist the base of the antenna to connect, folding the joint if needed.
  - Antennas are jointed for optimal signal positioning.

*NOTE: Ensure that the router antennas are not near metal or other RF reflective surfaces.*

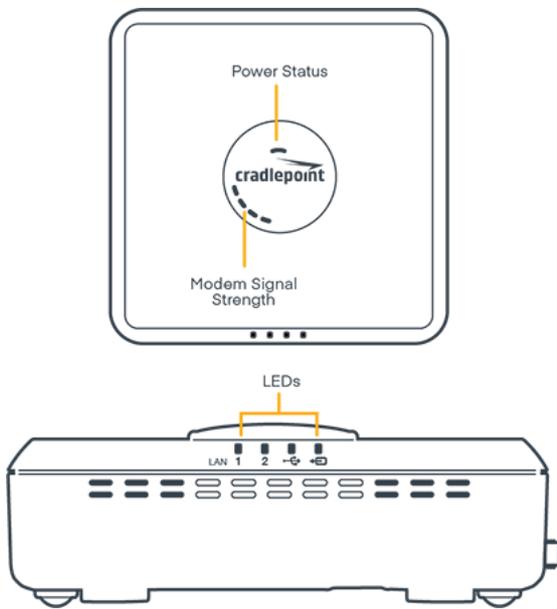
## 5. Connect to a power source.

- Connect the power supply adapter to the device and plug into a power outlet.
  - Or, if using PoE, connect the ethernet cable to the LAN2 port and plug the other end into a POE-enabled port on the applicable network router.
- Press the power switch to ON (O = OFF, – = ON).
  - The power LEDs will begin to light up.

## 6. Activate the device through NetCloud Manager.

- Refer to the [Connecting to NetCloud](#) section of this document.

## Understanding LEDs



INDICATOR	BEHAVIOR
	<p><b>POWER</b> The Cradlepoint CBA850 must be powered using an approved 12 V DC power source.</p> <ul style="list-style-type: none"> <li>• Blue = Powered ON: 4G.</li> <li>• Green = Powered ON: 3G.</li> <li>• Amber = Attention.</li> <li>• No Light = Not receiving power. Check the power switch and the power source connection.</li> </ul> <p><b>SIGNAL STRENGTH</b> Blue LED bars indicate the active modem's signal strength for integrated &amp; removable modems.</p> <ul style="list-style-type: none"> <li>• 4 Solid Bars = Strongest signal.</li> <li>• 1 Blinking Bar = Weakest signal. (A blinking bar indicates half of a bar.)</li> </ul>
<p><b>LAN 1 &amp; 2</b></p>	<p><b>LAN CONNECTIONS</b> Indicates connectivity of the LAN connections.</p> <ul style="list-style-type: none"> <li>• Solid or Blinking Green = LAN is connected and passing traffic.</li> <li>• Amber = LAN alert. Log into NCM to check status and resolve issues.</li> <li>• No Light = LAN is not connected.</li> </ul>
	<p><b>EXTERNAL USB MODEM</b> Indicates information about an attached USB modem.</p> <ul style="list-style-type: none"> <li>• Green = Modem has established an active connection.</li> <li>• Blinking Green = Modem is connecting.</li> <li>• Amber = Modem is not active.</li> <li>• Blinking Amber = Data connection error. No modem connection possible.</li> <li>• Blinking Red = Modem is in the process of resetting.</li> </ul>
	<p><b>USB</b> Indicates a USB device is connected to the USB port on the CBA850.</p>

[Return to Top](#)

### Connecting to NetCloud

Activate your device through NetCloud Manager (NCM). Your device is packaged with NetCloud services, and activation requires that you log into your NetCloud account. Refer to the following for more information:

[Getting Started with NetCloud Manager \(https://customer.cradlepoint.com/s/article/Getting-Started-with-NetCloud-Manager?ui-force-components-controllers-recordGlobalValueProvider.RecordGvp.getRecord=1&r=82&ui-knowledge-components-aura-actions.KnowledgeArticleVersionCreateDraftFromOnlineAction.createDraftFromOnlineArticle=1\)](https://customer.cradlepoint.com/s/article/Getting-Started-with-NetCloud-Manager?ui-force-components-controllers-recordGlobalValueProvider.RecordGvp.getRecord=1&r=82&ui-knowledge-components-aura-actions.KnowledgeArticleVersionCreateDraftFromOnlineAction.createDraftFromOnlineArticle=1)

### Troubleshooting

If the device takes longer than 5 minutes to connect to the Internet, you may need to log into the local UI of the device to make configuration changes or start the troubleshooting process. You must be physically co-located with the device in order to do this. Refer to the following document for more information:

[How to Troubleshoot Connection Issues \(/s/article/NCOS-No-Internet-or-Connection-Issues?r=47&ui-knowledge-components-aura-actions.KnowledgeArticleVersionCreateDraftFromOnlineAction.createDraftFromOnlineArticle=1\)](#)

Once the device connects to the Internet, it should then connect to your NetCloud Manager account and start its configuration download.

**Resources**

[CBA850 Webpage \(https://cradlepoint.com/products/arc-cba850\)](https://cradlepoint.com/products/arc-cba850)

[CBA850 Spec Sheet \(https://cradlepoint.com/sites/default/files/upload-file/cba850-spec-sheet-05012019.pdf\)](https://cradlepoint.com/sites/default/files/upload-file/cba850-spec-sheet-05012019.pdf)

**Help and Support**

[Cradlepoint Customer Connect Community \(https://customer.cradlepoint.com/s/\)](https://customer.cradlepoint.com/s/)

[Cradlepoint Support Services \(https://cradlepoint.com/support-services\)](https://cradlepoint.com/support-services)

**CBA850 Branch LTE Adapter Models**

This guide applies to the CRADLEPOINT CBA850 model S4A452A.

**Terms of Service**

[Cradlepoint Terms of Service & License Agreement \(https://cradlepoint.com/terms-of-service\)](https://cradlepoint.com/terms-of-service)

[Privacy Policy \(https://cradlepoint.com/privacy-policy\)](https://cradlepoint.com/privacy-policy)

[Return to Top](#)

**Title**

CBA850 Branch LTE Adapter Quick Start Guide

**URL Name**

CBA850-Getting-Started

No related lists to display

Follow

Ask a Question

**Related Articles**

[Quick Start Guide Index \(/s/article/Quick-Start-Guides\)](#)

1.54K

[AER2200 Branch Router Quick Start Guide \(/s/article/AER2200-Getting-Started\)](#)

19.85K

[AER1600 Series Micro Branch Router Quick Start Guide \(/s/article/AER1600-Series-Micro-Branch-Networking-Router\)](#)

9.92K

[ARC CBA550 LTE Adapter Quick Start Guide \(/s/article/ARC-CBA550-LTE-Adapter-Quick-Start-Guide\)](#)

1.85K

[E300 Series Enterprise Branch Router Quick Start Guide \(/s/article/E300-Series-Enterprise-Branch-Router-Quick-Start-Guide\)](#)

2.65K

**Trending Articles**

[Accessing the Setup Pages of a Cradlepoint Endpoint](#)

[\(/s/article/NCOS-Accessing-the-Setup-Pages-of-a-CradlePoint-router\)](#)

[How to Do Port Forwarding To Multiple Devices on the Same Port](#)

[\(/s/article/How-to-Do-Port-Forwarding-To-Multiple-Devices-on-the-Same-Port\)](#)

[IBR600C Series Quick Start Guide](#)

[\(/s/article/COR-IBR600C-Series-Quick-Start-Guide\)](#)

[Getting Started with NetCloud Manager](#)

[\(/s/article/Getting-Started-with-NetCloud-Manager\)](#)

