ERICSSON ENTERPRISE WIRELESS DOCUMENTATION PORTAL

L950 Series LTE Adapter Quick Start Guide

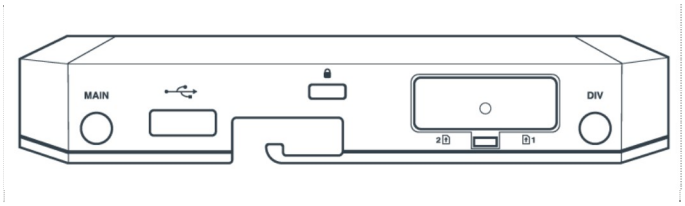
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1 | Introduction

This document provides a brief overview of the L950 Series LTE adapter, discusses what's inside the box, and provides basic setup and install instructions for the adapter.



2 | L950 Series LTE Adapter Models

This document applies to the following L950 Series LTE adapter models:

CRADLEPOINT L950-C7A MODEL:	S5A033A
CRADLEPOINT L950-C7B MODEL:	S5A034A

3 | Before You Begin

Read the following sections before setting up the L950 Series LTE adapter.

3.1 | Location Considerations

The L950 adapter is a branch continuity solution for failover that integrates seamlessly within existing network and SD-WAN infrastructure. It may be mounted in a variety of environments, locations, and configurations. For assistance with installation or in locating a professional installer, contact Sales and Support.

The following are recommended considerations for mounting best practices:

- Ensure the endpoint is positioned to receive optimal cellular signal.
    - The mounting surface needs to be flat and clear of any obstructions or objects that may interfere with the antennas, signal reception, or cables.
- Position the adapter within range of the router to which it is connected.
    - To measure, insert the ethernet cable into the router and adapter and then position the adapter in the desired mounting location. If the ethernet cable is taut or too short, consider a new mounting location or use a longer cable (not to exceed 100 meters/328 ft.).
- Use appropriate hardware to ensure the endpoint is securely attached to the mounting surface. Use screws, dry wall anchors, and other mounting hardware. Refer to the Required Tools for Setup section of this guide for more information.
- Avoid mounting in direct sunlight or in locations where it may be exposed to extreme weather conditions.
- Ensure plenty of airflow for ventilation.
- For more information refer to the Safety, Regulatory, and Warranty Guide insert that came with your endpoint.

4 | SIM Card for Wireless Connectivity

A wireless broadband data plan must be added to your Cradlepoint L950 LTE adapter for wireless broadband connectivity. Wireless broadband data plans are available from cellular service providers such as Verizon, AT&T, and T-Mobile. The SIM must be provisioned by the cellular service provider. Contact your cellular service provider for details about selecting a data plan and about the process for provisioning your SIM.

5 | Required Tools for Setup

- #0 Philips-head screwdriver (for SIM cover screws)
- #2 Philips-head screwdriver (for wall or ceiling mounting)
- Mounting tools: Depending on the location of installation, additional mounting tools may be necessary. These tools may include, but are not limited to:
    - Screwdrivers
    - Drill with 2.5 mm (or equivalent) drill bit
    - Zip ties

6 | Setup

The following instructions walk you through basic setup of your Cradlepoint L950 Series LTE adapter. For more advanced setups, contact a professional installer.

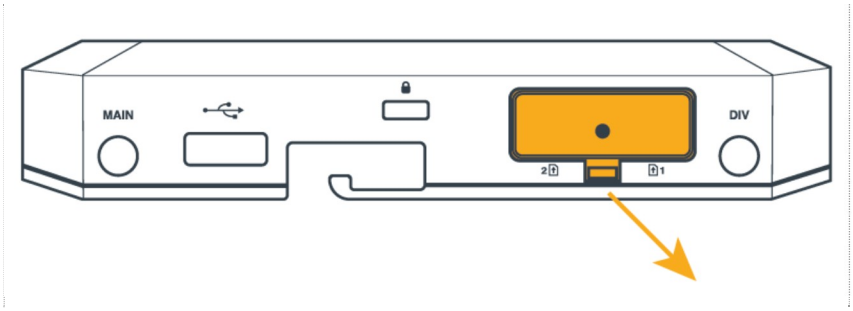
6.1 | STEP 1: Check box for content.

Refer to the follow to ensure you received all items included with your hardware:

- [1] Cradlepoint L950 LTE adapter
- [2] LTE cellular antennas
- [1] SIM door screw
- [2] #6 screws
- [1] Getting Started reference sheet
- [1] Safety, Regulatory, and Warranty guide

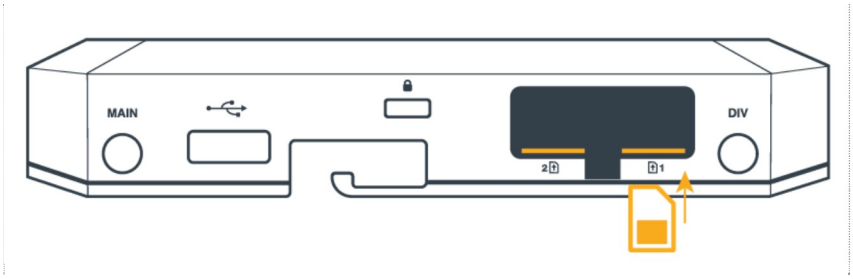
6.2 | STEP 2: Remove the SIM door.

Unscrew and remove the SIM cover from the adapter.



6.3 | STEP 3: Insert a SIM card into SIM slot(s).

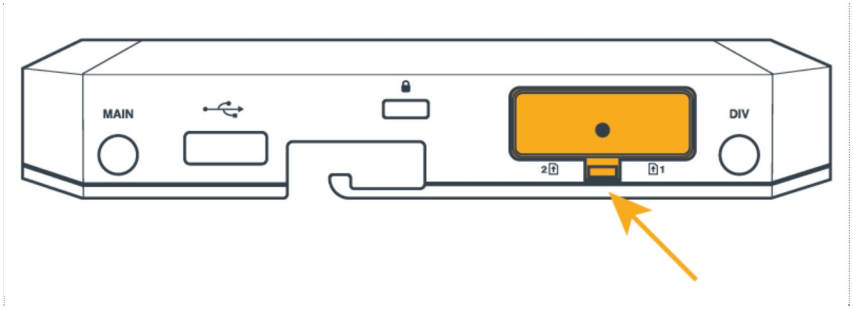
Insert an activated 4FF SIM card into the SIM1 slot (contacts up, notch in). The SIM card clicks into place.



Optionally, insert an active SIM into the SIM2 slot with the same orientation.

6.4 | STEP 4: Reinstall the SIM door.

Replace the SIM cover and secure with the SIM door screws.



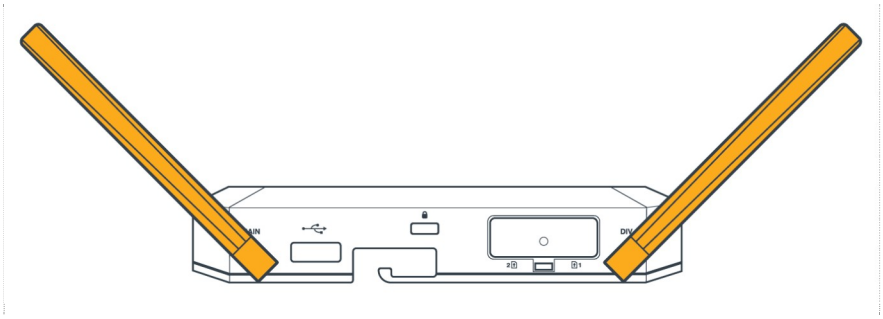
6.5 | STEP 5: Attach LTE cellular antennas.

The L950 includes two LTE cellular (paddle) antennas. Attach the antennas to the ports marked MAIN and DIV, as illustrated below.

1. Hold the antenna straight and twist the base to thread onto the connector.
2. Tighten with fingers only (maximum torque not to exceed 4 in-lbs/ .45 Nm). Do not over-tighten.
3. Once the adapter is mounted and powered on, angle the antennas for optimal signal reception.

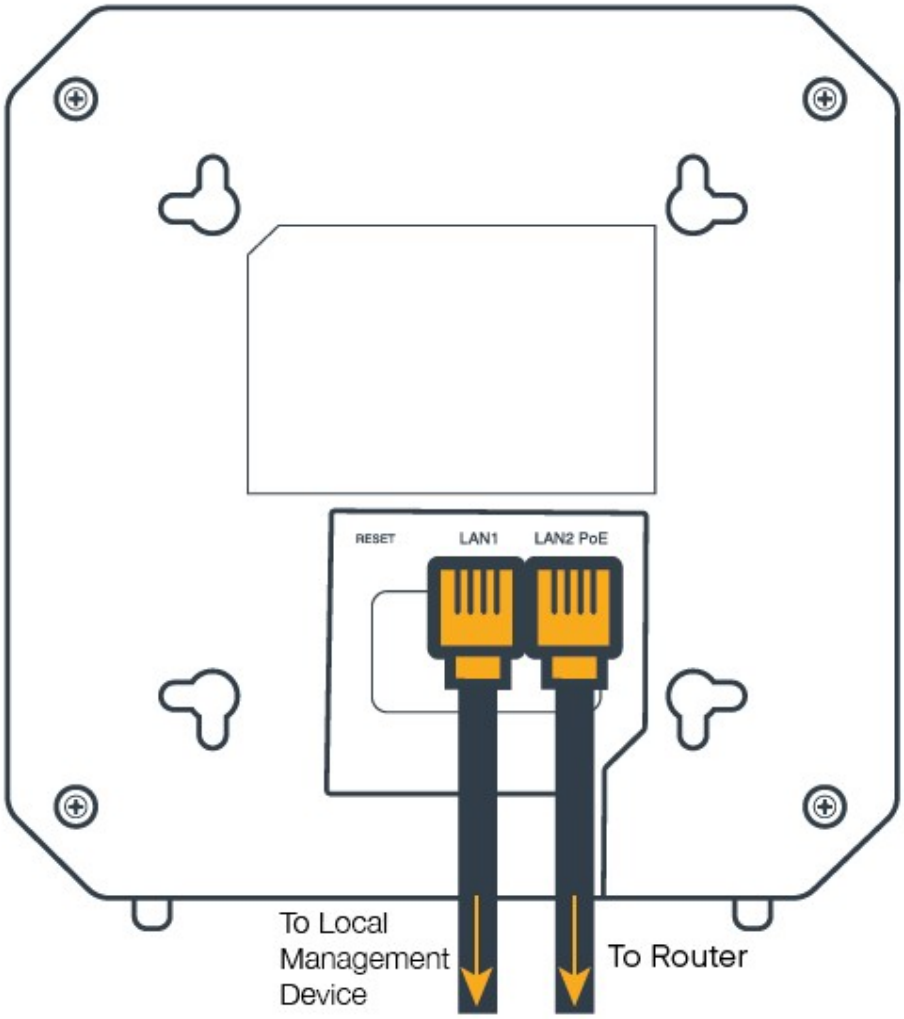
Note

With the antenna attached to the MAIN port, the space available for a USB plug device is reduced. Products such as a USB-A to serial RS-232 RJ-45 adapter must have a narrow USB plug to be compatible.



6.6 | STEP 6: Connect the Ethernet cables.

Connect the Ethernet cable(s) to the underside of the L950 adapter.



- LAN1 is for local management or connecting to a WAN source.
- LAN2 is for PoE and passthrough.

The Cradlepoint logo LED on top of the adapter begins to light up as the endpoint runs through its bootup sequence.

Refer to the Understanding LEDs section of the guide for more information about LED indicator status.

6.7 | STEP 7: Mount the adapter.

Each mounting is unique and should be completed by a professional installer. Refer to the Location Considerations section of this document and have a professional install the endpoint. Refer to the following for best practices:

- Mark the desired mounting location on the ceiling, wall, kiosk, or vehicle using a pen or marker prior to drilling holes or attaching the endpoint with screws.
- Ensure the mounting location is away from RF interfering materials and objects such as reflective surfaces, brick and concrete, or microwaves.
- Pre-drill holes for the mounting screws.
- Use anchors and other screw-securing accessories to ensure the endpoint is securely mounted in place.

Note

An optional drop-ceiling T-rail mount for overhead installation is available to order. For installation instructions, refer to Drop Ceiling T-rail Bracket Installation and Mounting.

6.8 | STEP 8: Power up the adapter.

If you have not already connected the Ethernet cable to the LAN2 port, do one of the following:

- Connect the Ethernet cable to the LAN2 port and plug the other end into a PoE-enabled port on the applicable network router.

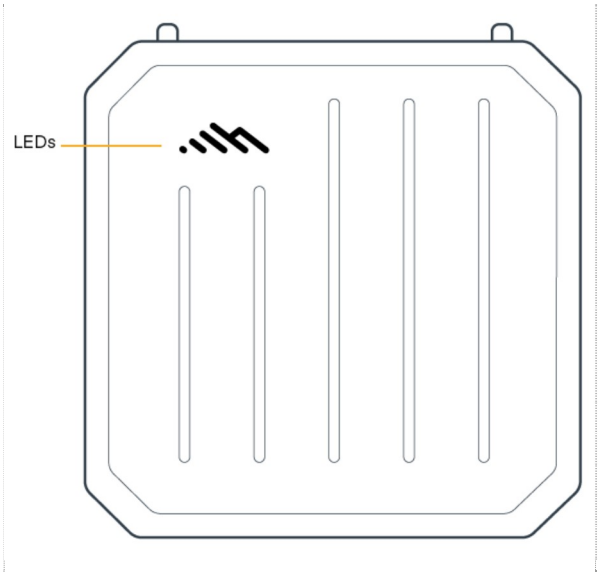
Or

- For routers that do not have a PoE-enabled port, use a PoE injector to power the L950 adapter.

6.9 | STEP 9: Activate the adapter through NetCloud Manager.

Activate the L950 Series LTE adapter through NetCloud Manager. The adapter is packaged with NetCloud Services and requires that you log into your NetCloud account to activate. Refer to Getting Started with NetCloud Manager for more information.

7 | Understanding LEDs



The Cradlepoint logo on the top of the L950 LTE adapter uses LED lights to communicate various status conditions. Use the chart below to verify the status of your router after the boot up cycle.

INDICATOR	MEANING
	No Light = Powered off. Solid White = Online and connected to NetCloud Manager (NCM) or Online Captive Modem mode. Flashing White = WAN online and not connected to NCM.
	Solid Red = Offline. Flashing Red = Data connection error.
	Flashing Green = Modem is connecting.
	Solid Blue = Modem status – Carrier Reject. Flashing Blue = Modem status – No SIM/SIM door open.

INDICATOR	MEANING
	Flashing Cyan = Factory reset.
	Flashing Yellow = Modem is in the process of resetting.

Note

In the case of multiple WANs, any online status has priority over any offline status. For example, the adapter has a wired WAN, is online, and connected to NetCloud Manager, but the modem is resetting. The LED will be solid white.

8 | Troubleshooting

Once the L950 is connected, ensure that desired functionality is working appropriately through NetCloud Manager. If there is no Internet connection, refer to the following:

- No Internet or Connection Issues
- NCOS: How to Configure WAN Interfaces

9 | Terms of Service

Terms of Service &License Agreement

Privacy Policy

GDPR Privacy Policy

10 | Help and Support

Cradlepoint Connect Customer Community

Cradlepoint Support Services