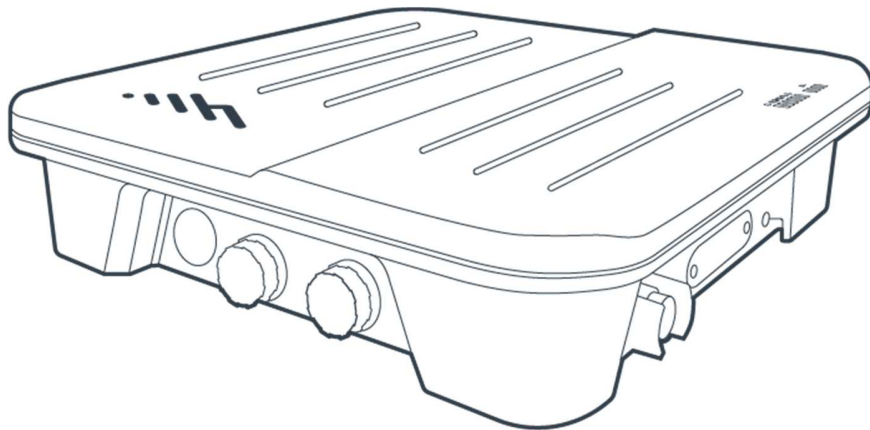


# W2005 Outdoor 5G Wideband Adapter Quick Start Guide



## Introduction

This document provides a brief overview of the W2005 outdoor 5G Wideband adapter, discusses what's inside the box, and provides basic set up and install instructions.

## Intended Audience

This article is intended for general Cradlepoint hardware users. It provides a basic knowledge for setting up the W2005 outdoor 5G Wideband adapter. Due to the unique nature of each installation, potential for RF exposure, and enhanced separation requirements, customers must have a professional install their 5G hardware. Refer to the Professional Installer Network section of this document for assistance in locating a professional installer.

## Professional Installer Network

Email our Professional Installer Network for assistance in locating a professional installer in your service area at <TBD>@cradlepoint.com.

# Navigation

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## W2005 Outdoor 5G Wideband Adapter Models

This guide applies to the following products:

CRADLEPOINT W2005-5GA MODEL: S5A009A  
CRADLEPOINT W2005-5GB MODEL: S5A108A

## Before You Begin

Read the following before setting up your W2005 outdoor 5G Wideband adapter.

### Location Considerations

The W2005 outdoor 5G Wideband adapter is purpose-built for exterior mounting and should be installed by a professional. The following includes considerations when identifying a location for mounting.

- Ensure that the mounting surface clear of any obstructions or objects that may interfere with the antennas, signal reception, or cables.
- Position the device for optimal signal reception.
- Ensure plenty of airflow for ventilation.
- For the W2005 to maintain its rating against hurricane force winds (up to 137mph sustained); the following must be met when pole mounted
  - The pole on which the W2005 is to be mounted must be metal, hollow, and between 3-10 inches in diameter
  - From the base of the pole to where the W2005 is mounted can be no higher than 10 feet.
- Mount in locations compliant with the Safety, Regulatory, and Warranty guide, included in the product shipping box

**IMPORTANT:** The W2005 outdoor 5G Wideband adapter requires increased separation distances in relation to other networking hardware. Therefore, Cradlepoint requires that all 5G adapters be installed by a professional. For assistance with installation or in locating a professional installer, contact Cradlepoint [Sales and Support](#).

### Ethernet Cable Considerations

Cradlepoint recommends shielded twisted-pair (S/FTP) Ethernet cabling and connectors (Cat6a/Cat7a) for optimal wired network performance.

### SIM Card Setup for Wireless Connectivity

A wireless broadband data plan must be added to your Cradlepoint W2005 for wireless broadband connectivity. Network providers, such as AT&T, Verizon, and Telstra, must provision a SIM to provide wireless broadband data plans compatible for use with the Cradlepoint W2000 and W2005 Branch 5G adapter endpoints. Contact your network provider for further details.

The following instructions are intended for network hardware installers. Read through the following to set up your W2005 outdoor 5G Wideband adapter or use the Verify mobile installation app.

## Check Box for Contents

Prior to having the W2005 outdoor 5G Wideband adapter installed, open the boxes and ensure that all items are present. You should have received the following:

- Box 1 - Hardware Only:
  - [1] W2005 Branch Outdoor 5G adapter hardware
- Box 2 - Accessories Kit:
  - [1] 90 W PoE Injector
  - [4] Outdoor Sub 6 GHz 5G/LTE antennas
  - [1] Outdoor mounting assembly
  - [1] Outdoor mounting plate
  - [3] Pole mount clamps
  - [4] Plate to assembly mounting screws
  - [4] Plate to assembly mounting washers
  - [4] Plate to W2005 mounting screws
  - [1] Safety, Regulatory, and Warranty guide
  - [1] Quick Start reference sheet

Once you ensure all required hardware is present, have a professional install your W2005 outdoor 5G Wideband adapter.

## Activate the Adapter Through NetCloud Manager

Once the adapter is installed, it will need to be activated in NetCloud Manager (NCM). Your endpoint is packaged with NetCloud services and activation requires that you log into your NetCloud account. Refer to [Getting Started with NetCloud Manager](#) for more information.

## Connecting Additional Interfaces

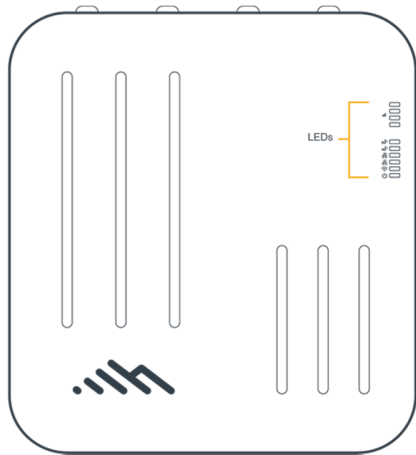
Additional interfaces may be connected to the W2005 outdoor 5G Wideband adapter to enhance its functionality.

- Connect a device to the adapter Wi-Fi for troubleshooting or setup
  - NOTE: It is not required or recommended to install Wi-Fi antennas on the 4 external Wi-Fi antenna ports.
- Connect an Ethernet cable to the PoE 2.5G LAN2 port.
- Connect a Console cable to the Console port.
- Connect a lock to the lock slot.










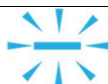

NOTE: Ensure all unused ports have the ingress protection covers installed.





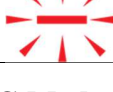









Contact Cradlepoint [Sales and Support](#) for more information.

## Understanding LEDs



Refer to the following for information about the LED indicators on the Cradlepoint W2005 Outdoor Branch 5G Adapter.

INDICATOR	BEHAVIOR	
	<b>Power:</b> The Cradlepoint W2005 must be powered using an approved 802.11bt PoE power source.	
		<ul style="list-style-type: none"> <li>• Green = Powered ON</li> </ul>
		<ul style="list-style-type: none"> <li>• Yellow = Attention.</li> </ul>
		<ul style="list-style-type: none"> <li>• No Light = Not receiving power. Check the power switch and the power source connection.</li> </ul>
	<b>Wi-Fi Status:</b> Blue LED bars indicate the Wi-Fi status.	
		<ul style="list-style-type: none"> <li>• Solid Blue = Wi-Fi on and operating normally</li> </ul>
		<ul style="list-style-type: none"> <li>• Blinking Blue = Wi-Fi is on, but not connected to a WAN source</li> </ul>
	<b>Ethernet LAN Status:</b> Indicates wired LAN connection information.	
		<ul style="list-style-type: none"> <li>• Off = Not connected</li> </ul>
		<ul style="list-style-type: none"> <li>• Blinking = Data passing</li> </ul>
	<b>4G LTE Modem Status:</b> LED indicates the LTE modem status.	

		<ul style="list-style-type: none"> <li>Green = Modem has established an active WAN connection</li> </ul>
		<ul style="list-style-type: none"> <li>Blinking Green = connecting</li> </ul>
		<ul style="list-style-type: none"> <li>Yellow = modem not active</li> </ul>
		<ul style="list-style-type: none"> <li>Blinking Yellow = Data connection error. Log into NetCloud Manager to see alerts and troubleshoot issue.</li> </ul>
		<ul style="list-style-type: none"> <li>Blinking Red = modem is resetting</li> </ul>
	<b>5G Modem Status:</b> LED indicates the modem 5G status.	
		<ul style="list-style-type: none"> <li>No light = No 5G connection</li> </ul>
		<ul style="list-style-type: none"> <li>Green = 5G Sub-6 GHz connected</li> </ul>
		<ul style="list-style-type: none"> <li>Blinking Green = 5G Sub-6 GHz connection error. Log into NetCloud Manager to see alerts and troubleshoot issue.</li> </ul>
		<ul style="list-style-type: none"> <li>Blue = 5G mmWave connected</li> </ul>
		<ul style="list-style-type: none"> <li>Blinking Blue = 5G mmWave connection error. Log into NetCloud Manager to see alerts and troubleshoot issue.</li> </ul>
	<b>Signal Strength:</b> Blue LED bars indicate the active modem's signal strength.	
		<ul style="list-style-type: none"> <li>4 Solid Bars = Strongest signal.</li> </ul>
		<ul style="list-style-type: none"> <li>1 Blinking Bar = Weakest signal. (A blinking bar indicates half of a bar.)</li> </ul>
<b>OTHER</b>	<b>Other LED Indicators</b>	
		<ul style="list-style-type: none"> <li>The Cradlepoint Logo will light up white when connected to a NetCloud Account.</li> </ul>

## Troubleshooting

If the adapter 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 [How to Troubleshoot Connection Issues](#) for more information.

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

## **Resources**

[W2005 Webpage](#)  
[W2005 Data Sheet](#)

## **Help and Support**

[Contact Us](#)  
[Cradlepoint Customer Connect Community](#)  
[Cradlepoint Support Services](#)

## **Terms of Service**

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