

Remote 5G Quad MIMO Antenna Accessory Kit Installation Guide

Version 1.0
May 2026



Table of Contents

- Remote 5G Quad MIMO Antenna Accessory Kit Installation Guide 3
 - Kit Contents 3
 - Overview 3
 - Base Mounting Options 3
 - Wall 4
 - Pole 4
 - Window 4
 - Attach Antenna Housing to Base 5
 - Cable Connections 5
 - Tuning Adjustments (Optional) 6

Remote 5G Quad MIMO Antenna Accessory Kit Installation Guide

Kit Contents

The accessory kit includes the following components:

Item	Quantity	Description
1	1	Remote 5G quad antenna with 10 m coax leads
2	4	Low-loss coax cable with SMA(F) to SMA(M) connectors, available in different lengths
3	1	Wall-mount parts bag
4	1	Pole-mount parts bag
5	1	Window-mount parts bag

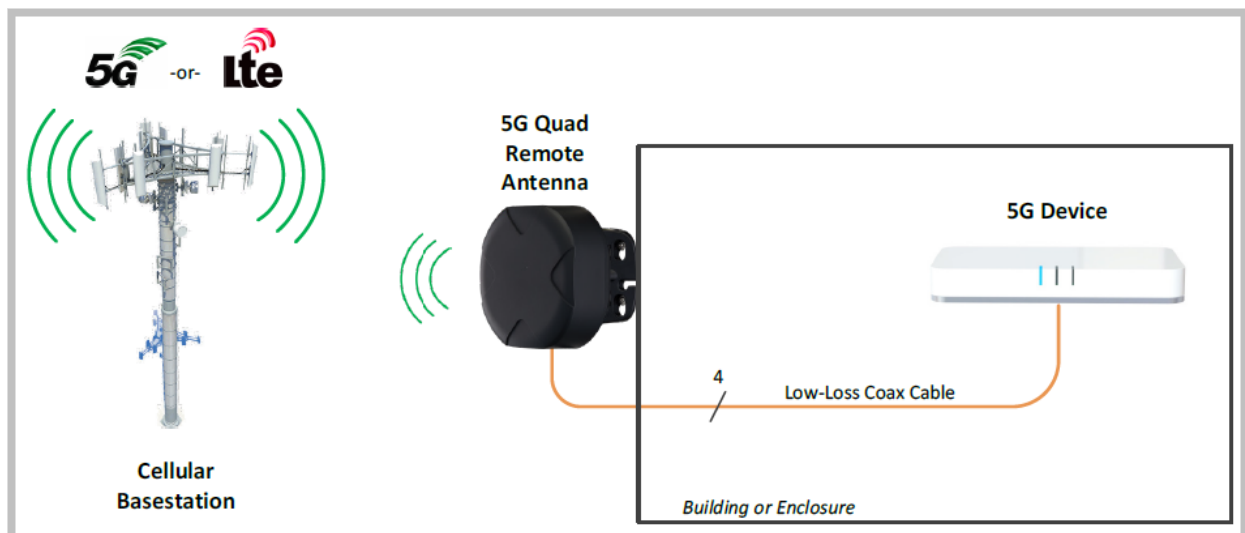


Notes:

- 5G radio cards and antennas are available in two versions:
 - mmWave (millimeter-wave) + Sub-6
 - Sub-6 only
 This antenna supports 5G Sub-6 only. In this guide, it is referred to as 5G.
- This antenna supports both LTE and 5G frequency bands and can connect to LTE or 5G cellular base stations.

Overview

The accessory kit includes a quad antenna housing and coax extension cables. Use this kit to extend the cellular antennas to an external location when reception inside a building is weak.

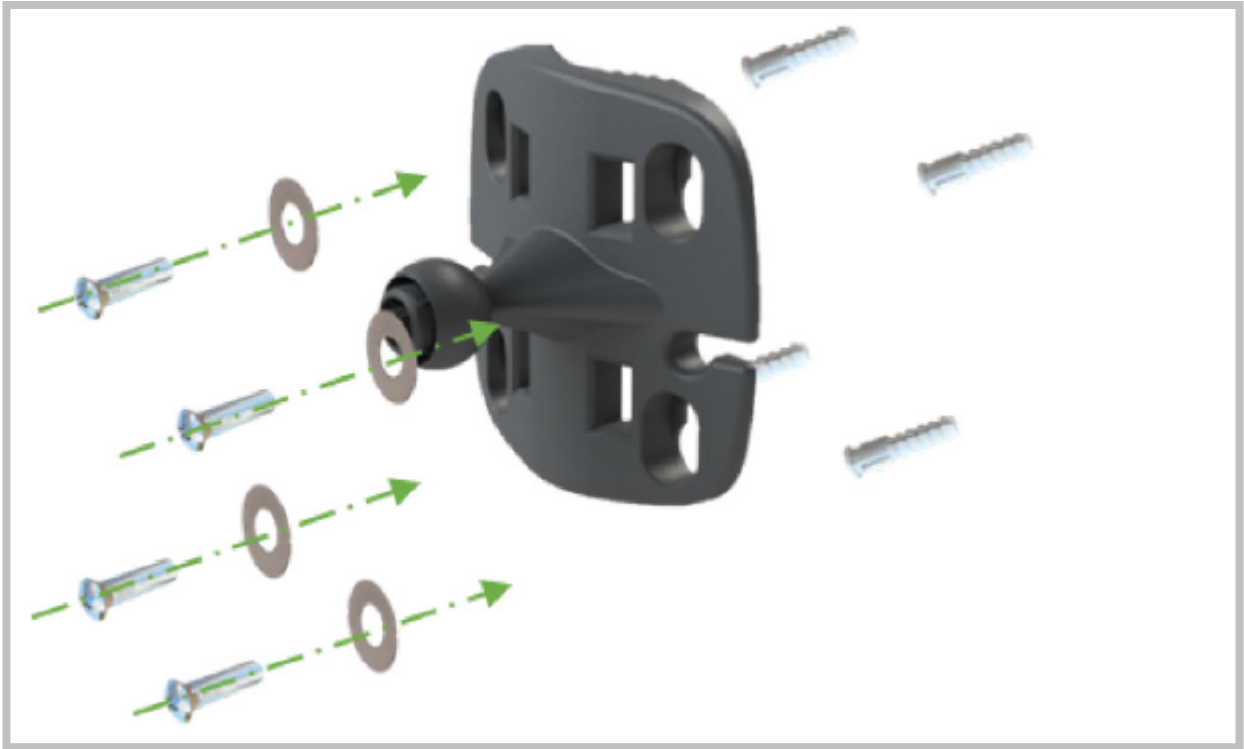


Base Mounting Options

The antenna housing and mount are rated IP65 weatherproof. You can install them outside a building or enclosure to improve cellular signal strength. The kit includes hardware for mounting the quad antenna housing base to a wall, pole, or window.

Wall

You can attach the base to a wall with the supplied screws, washers, and anchor inserts.



Pole

You can attach the base to a pole with the supplied metal clamp straps. Insert the straps through the inner slots on the base, wrap them around the pole, and tighten them. The base automatically centers itself on the pole.



Window

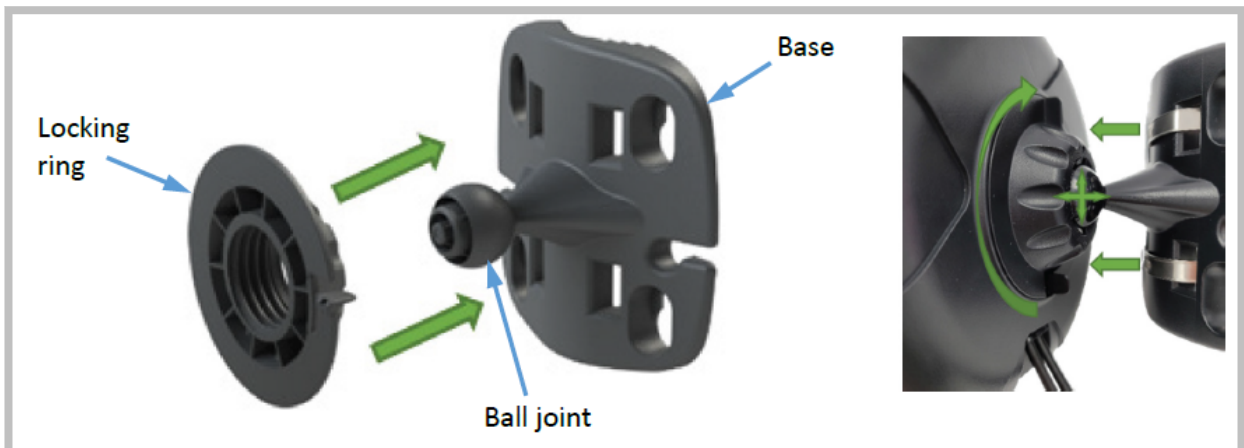
You can attach the base to a window with the supplied suction cups. Before mounting, clean and dry the glass surface thoroughly. Insert the ends of the suction cups through the mounting holes in the base, and then press the suction cups firmly against the glass.



Note: For window mounting, we recommend placing the antenna inside the building and attaching the suction cups to the inside of the window. The antenna housing, base, and suction cups are weatherproof, but suction cups are typically more stable and reliable when protected from heat, cold, and moisture.

Attach Antenna Housing to Base

After the base is mounted, place the locking ring on the base ball joint. The flat side of the locking ring must face away from the base. Firmly insert the ball joint into the opening on the back of the antenna housing. Turn the locking ring clockwise to secure the antenna housing to the base.



Cable Connections

The main housing contains four separate 5G antennas. These antennas connect to the Main, Aux, MIMO1, and MIMO2 SMA connectors on the 5G unit.

Four separate 3-meter coax cables extend from the bottom of the antenna housing.



Note: You can connect the antenna coax cables to the 5G device connectors in any order. For example, there is no dedicated cable for the Aux connector.



WARNING: Route coax cables away from power cables and other signal cables. RF interference from nearby cabling can reduce cellular signal strength and data throughput.

Tuning Adjustments (Optional)

The quad antenna is omnidirectional, so it does not need to be aimed directly at a cellular base station. The swivel ball mount provides flexible positioning and can help optimize the antenna angle if nearby antennas cause interference.



Note: Although the antenna is omnidirectional, it performs best when installed on the same side of the building or enclosure as the cellular base station. This helps reduce obstructions in the signal path.

If you suspect interference or cellular throughput is low, you can optionally adjust the antenna angle. Rotate the antenna on the ball joint while monitoring signal strength on the 5G device. After you find the best signal strength, tighten the locking ring to hold the antenna housing in place.