



5G Home Receiver Outdoor Mounting Bracket Installation Guide



Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.



RF Exposure Statement

To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Warnings

PoE Power Injector

Do not use any other PoE Power injector except the one that accompanies this unit. Use of another PoE Power injector could result in damage to the unit.

The following PoE Power injector is qualified for use with this Verizon 5G Home Router:

- Delta, model ADP-60HR BB or equivalent UL listed power source rated @ output 12V DC, Maximum 4.0A.



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Chapter 1 Introduction

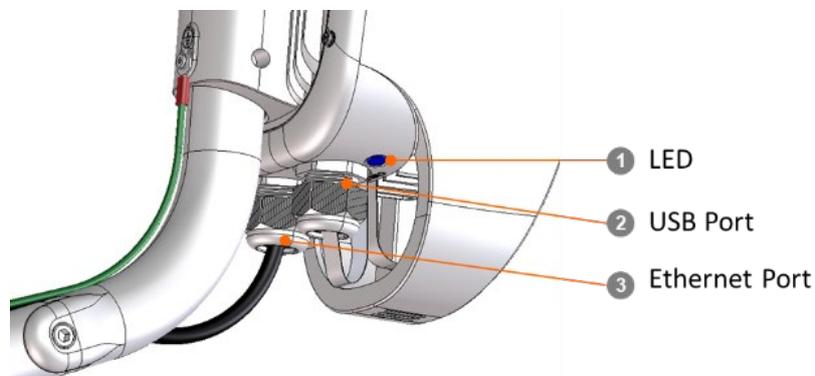
This chapter contains a list of items included with the Verizon 5G Home Receiver's Outdoor Mounting Bracket.

1.1 Unboxing Information

Inside the product package for the outdoor mounting bracket, you should find the following:

- Verizon 5G Home Receiver's Outdoor Mounting Bracket (with heatsink and outer housing) × 1
- PoE power injector (PSE) x 1
- AC power cord × 1
- Surge protection device (SPU) × 1
- Cable gland × 2

1.2 Outdoor Mounting Bracket



1. LED

- Solid red: No 5G signal at all, 4G connectivity has been lost, and/or hardware/software is faulty.
- Solid blue: The outdoor mounting bracket is powered on, and is in installation mode.
- Blinking blue: The outdoor mounting bracket is activating a 4G connection.

2. USB Port (Type C)

This USB port connects the outdoor mounting bracket to the outdoor receiver for bidirectional communication.



3. Ethernet Port (PoE)

The PoE port enables you to connect the outdoor mounting bracket to a router via a shielded Ethernet cable with daisy-chained PoE power injectors and surge protection equipment.

Chapter 2

Connecting the Outdoor Receiver (ODU) and the Outdoor Mounting Bracket

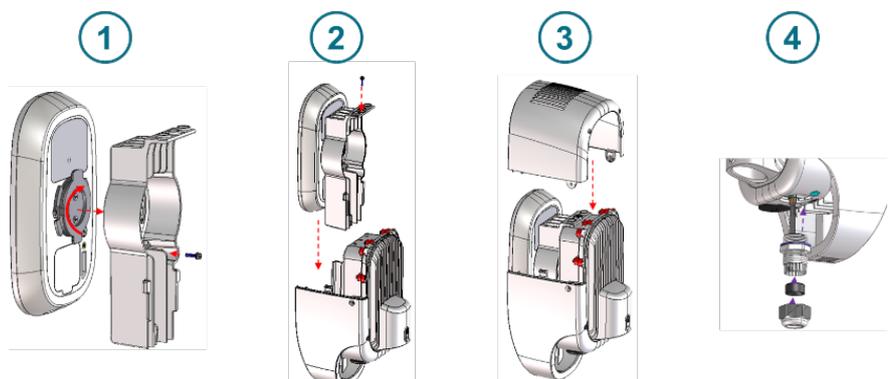
This section describes how to install the 5G Home Receiver in an outdoor configuration (using the outdoor receiver (ODU) and this outdoor mounting bracket) when an indoor configuration can't provide the desired communication quality. Please note that this installation should only be performed by well-trained technicians.

2.1 Installation Overview

1. Assembling an ODU with the outdoor mounting bracket
2. Choosing a location with good signal quality for device installation
3. Installing the ODU/bracket assembly
4. Connecting to a router

2.2 Assembling the Outdoor Receiver (ODU) to the Outdoor Mounting Bracket

1. Assemble the heatsink with the ODU.
2. Plug the ODU into the bottom housing.
3. Put the top housing on the bottom housing and secure the housing parts together with screws.



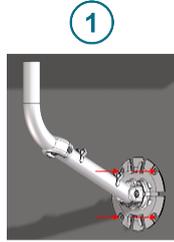
4. Run a USB cable from the ODU through a cable gland, plug it into the USB port of the outdoor mounting bracket, and seal the connection with the cable glands.

2.3 Choosing a Location for Installation

Select a location that is as close to the 5G base station as possible for device installation. It's preferable that the device is installed at a location which can be directly seen from the 5G base station without any obstacles (has line of sight).

2.4 Installing the Outdoor Receiver/Mounting Bracket Assembly

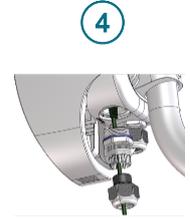
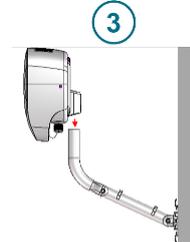
1. Fix the wall plate on a wall with its support arm oriented as shown.



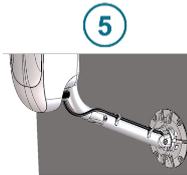
2. Adjust the angle of the support arm.



3. Attach the Outdoor Receiver/Mounting Bracket Assembly on the support arm.



4. Plug an Ethernet cable to the PoE port of the outdoor mounting bracket and seal it with a cable gland.
5. Route the Ethernet cable along the support arm.
6. Connect the grounding wire.



2.5 Connecting to the Router

1. Connect an Ethernet cable between the PSE (at the Ethernet input port) and the router (at the Ethernet WAN port).
2. Use a shielded Ethernet cable to connect the SPU (surge protection device) to the PSE (PoE power injector) Ethernet output port. The PSE power cord must be plugged in.
3. Mount and ground the SPU on the wall.
4. Connect the 5G Home Receiver and the SPU through a shielded Ethernet cable (Cat.5e or better).



Chapter 3

Product Specifications

Physical

- Ethernet: CAT6 2.5 Gbps
- PoE: 802.3bt 4 pairs
- Memory: DDR3: 512MB, NAND: 256MB
- LED for 5G signal status indication × 1 (Tri LED)
- RJ-45 port with LED × 1
- USB Type C connector x 1
- Power: 56V/1.1A

Environmental

- Operating Ambient Temperature: -30°C to 55°C
- Operation Relative Humidity: 5% to 90% non-condensing
- Storage Temperature: -45°C to 70°C
- Shipping and Storage Relative Humidity: 5% to 85%