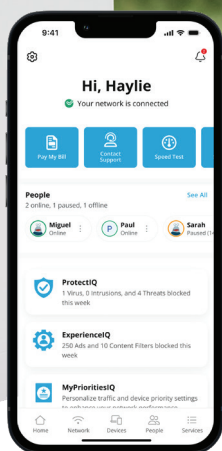# MEC

Outdoor Mesh
SELF INSTALLATION

Welcome to your Wi-Fi-enabled outdoors!

We hope your self-installation goes smoothly. Please be aware that we can't ensure signal and service quality on self-installed units, and our support may be limited. If we need to visit your property to repair a self-installed unit, there will be a service fee. Please read through all instructions before you begin.

Important note: If you intend to place the unit on something other than the side of a building, such as a pole, metal roof, or somewhere high, please review the included safety guide to avoid potential damage to the equipment.

Scan for video
INSTRUCTIONS

QUESTIONS?
Call 1-800-492-5989
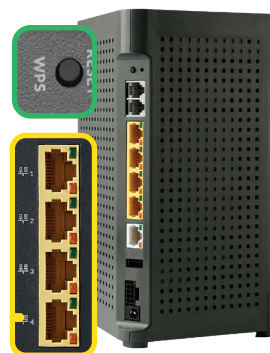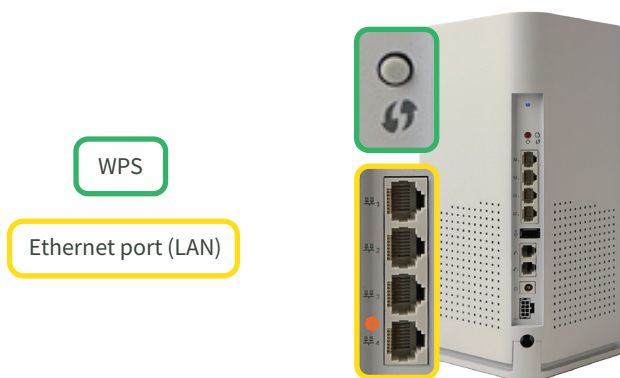
TOOLS AND MATERIALS NEEDED

- Phillips-head screwdriver or screw gun
- Drill bit and compatible drill
  - 3/8" x 12" bit for bulk cable
  - 5/8" x 12" bit for premaid Ethernet cable (recommended)
- Silicone caulk
- MEC router (find yours on the right)
- 2 CAT-5e or higher Ethernet cables
  (depending on the layout of your home and where you want the outdoor mesh, the cable lengths will vary)

INCLUDED

- Outdoor mesh unit
- Wall mount bracket w/ screws
- Power over Ethernet (PoE) injector (for Wired Installation)
- Outdoor power cable (for Wireless Installation)
- Safety guide

● Ethernet port (LAN)

● WPS

● Power port

WPS

Ethernet port (LAN)

FAQs

● **How far will the signal reach?**

If you have a clear line of sight between a device and the outdoor mesh, the system is rated for up to 1,000 feet. Use the free **Speedtest by Ookla** app on a mobile device to test different areas around your property.

● **Can I use the MEC outdoor mesh unit with a router or Wi-Fi equipment that I own and that is not provided by MEC?**

No. The outdoor mesh unit only works with MEC Wi-Fi service.

● **Will this unit help me get a better Wi-Fi signal inside of my detached building such as a pole barn or garage?**

This unit is designed to provide a Wi-Fi signal outdoors. The signal will degrade significantly when passing through walls and will likely provide a poor connection inside another building.

● **I use the free CommandIQ app to implement parental controls, automatic hacker blocking, and website and app restrictions on devices inside my home. Can I also use CommandIQ on devices connected to my outdoor mesh?**

Yes. All devices connected to your MEC Wi-Fi network, including outdoors, can benefit from the free Command IQ app.

● **If I change my mind about installing the unit myself, can I have it professionally installed by MEC?**

For a one-time payment of $100, MEC can install the outdoor mesh unit, ensuring it is properly hardwired and provides a quality signal. This also allows us to offer ongoing tech support for the equipment.
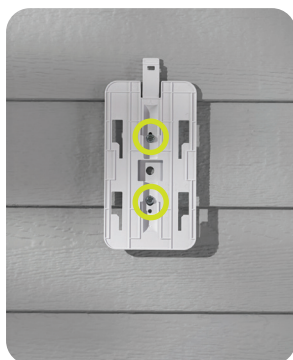
01 Wired Installation (Preferred)

This installation method utilizes Power over Ethernet (PoE) and will require you to drill a hole through your wall to connect the cord from the inside of your property to the outdoor mesh.

Step 1

Screw the wall mount bracket on an exterior wall facing the part of your property where you'd like outdoor Wi-Fi.

TIP: Mount the unit in a spot that's high enough to have a good line of sight, but is easily accessible.

Step 2

Drill a hole through your wall or use an existing entry point to feed the Ethernet cable from the outdoor mesh unit to the desired location for the Power Over Ethernet (PoE) injector.

IMPORTANT:

When connecting the Ethernet cable, leave enough slack to form a slight U between the unit and the first connection point where the cable is mounted to the wall (example to the right).
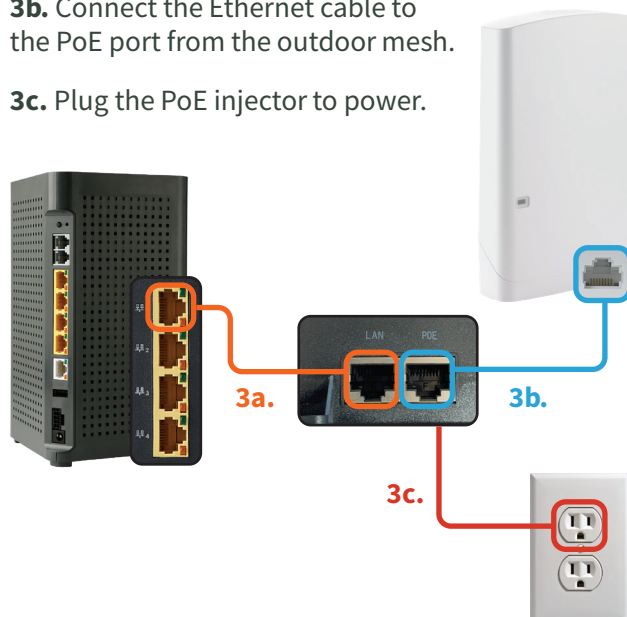Do this again between the final connection point and the entry point to your home. In the event of rain or snow, this ensures water drips off the cable rather than into the unit or your home.

Step 3

3a. Connect the Ethernet cable from a LAN port of the MEC router to the LAN port of the PoE injector.

3b. Connect the Ethernet cable to the PoE port from the outdoor mesh.

3c. Plug the PoE injector to power.

3a.
3b.
3c.

Step 4

Wait 15 minutes for unit to receive update and Wi-Fi information. The status light on the outdoor mesh should be SOLID GREEN.

FINAL TIP: Once the unit is confirmed working, generously fill the hole with the silicone caulk.

02 Wireless Installation (Speed and Dependability Will Vary)

Before you begin:

Test your desired mounting location. Hold your cell phone against the exterior wall of your house and perform a speed test using the free **Speedtest by Ookla** app. This installation method will work best if your speeds are at least 100mbps. There needs to be a weatherproof exterior outlet within 12 feet.

TIP: Mount the unit in a spot that's high enough to have a good line of sight, but is easily accessible.

Step 1: Prepare the Unit

In the same room as the MEC router, remove the base and plug the outdoor mesh into a wall outlet with the included power adapter. Wait 5 minutes for the unit to fully boot.

Step 2

Press and hold the WPS button on the MEC router (see photos on page 2) for a few seconds until the status light begins to BLINK GREEN.

Step 3

Within a few seconds, press and hold the silicone-covered WPS button located next to the Ethernet port on the bottom of the outdoor mesh unit until the status light begins to BLINK GREEN.

Step 4

Wait 15 minutes for the outdoor mesh to receive an update and your Wi-Fi information. The status light on the outdoor mesh should be SOLID GREEN when finished.

Step 5

Screw the wall mount bracket to your desired and tested location. Hook the unit on the bracket and slide down so that it rests securely on the wall.

Step 6

Using the included power adapter, plug the outdoor mesh into the exterior outlet. Wait 5 minutes for unit to fully boot with a SOLID GREEN light.