

External antenna installation:

Determine the best roof top antenna location. Note the location of the Journey XTR router inside of the RV. Ensure there is enough cable length to reach the Journey XTR router inside of the RV.

READ: Not all RV/vehicle roof tops are the same. Some additional material may be required to allow the antenna to sit flush against the roof, spread clamping load and prevent leaks. A simple powder coated or painted metal backing plate with entry point hole may be ideal to sandwich between the antenna and the roof. Make sure to use a high-quality RV roof sealant around the backing plate.

The outside diameter of the antenna's threaded shank is approximately 27mm or 1.063 inch. Drill a pilot hole first and use a step bit with a max diameter of 1" inch to create a slightly undersized entry point. Adjust the opening accordingly to ensure a snug fit around the antenna's threaded shank.

The antenna has an adhesive neoprene-style gasket that will be used to adhere and seal the base of the antenna against the installation surface.

1. Remove the nut and washer(s) pre-installed on the antenna.
2. Prepare the antenna for final installation, route the cables through the antenna entry point.
3. Position the lock washer and flat washer onto the shank of the antenna and thread on the nut.
4. Tighten the nut until it is snug. Do not overtighten.
5. Apply a bead of silicone caulk around the base of the antenna to provide extra protection against water intrusion.

Note: It is advisable to seal up the coax leads on the inside of the antenna shank with either dielectric grease or silicone sealant.

Connecting the external antenna to the Journey XTR:

On the front of the Journey XTR, there are two "LTE" (Cellular) ports. On the back of the Journey XTR, there are four "Wi-Fi" radio ports. The four Wi-Fi ports consist of two 2.4GHz Wi-Fi and two 5GHz Wi-Fi connections.

The external antenna paired with the Journey XTR provides two LTE/Cellular SMA connections and two – Wi-Fi radio SMA connections. The ends of each cable are individually labeled, and color coded for their specific connection(s). Do not overtighten these connections. Finger tight or very gentle with a wrench.

1. Connect the Purple LTE "Main" to the front right LTE connection (next to power input) on the Journey XTR router.
2. Connect the Purple LTE "Aux" to the front left LTE connection on the Journey XTR router.
3. Connect the Black Wi-Fi "Main" to the 2.4GHz port located next to the empty SIM card slot. Connect the remaining Black Wi-Fi "Aux" to the second 2.4GHz port.
4. In the packaging with the Journey XTR, locate the two factory supplied antennas labeled "Wi-Fi 5GHz" and attach these antennas to the remaining "5GHz" Wi-Fi ports on the back of the Journey XTR.



NOTE: Dimensions in millimeters.



