



CONNECTANYWHERE® 2.0
All-In-One (AIO) System
OEM INSTALLATION MANUAL

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Introduction

This document provides instructions for the installation of the ConnectAnywhere® 2.0 All-in-One (AIO) System Router Kit. The ConnectAnywhere® 2.0 makes it easy to supply high-quality cellular and local entertainment signals to end customers. This kit is intended for recreational vehicles.

When connected to a OneControl® System, the ConnectAnywhere AIO router allows an end customer to purchase a data plan to enable RV Remote Control and Monitoring. Depending on the floorplan and devices supported by the OneControl System, end customers may access comfort, convenience and safety devices including:

- HVAC
- Power
- Awnings
- Lights
- Water

An end customer controls and monitors devices with the OneControl or OneControl family Mobile App, available in both App Stores. Data plans are offered by Lippert through a secure nationwide LTE network.

The AIO Antenna supports local radio and TV broadcast signals throughout the RV. This allows OEMs to install one device to satisfy multiple end customer needs.

Additional Information

For information on the assembly or individual components of this product, please visit <https://support.lci1.com/connectanywhere>

Additional information about this product can be obtained from lci1.com/support or by downloading the free myLCI app. The app is available on iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users.

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NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels. This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

CAUTION

The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- 1-2 people, depending on the task
- Cordless or electric drill or screw gun
- Appropriate drill bits (specifically 1/4")
- Appropriate drive bits
- 2" hole saw
- Sharp cutting tool
- All-weather silicon sealant
- Tape measure
- Straight edge
- Non-permanent marking method
- (18) #8 3/4" stainless steel Phillips pan-head screws
- CAN cable with connector
- 12V power wire with connector
- COAX cables (if antenna is providing radio and local TV signals)

Parts List



Callout	Part #	Description
A	2022115262	ConnectAnywhere™ 2.0 All-in-One (AIO) Kit
B	2021015320	Router and Mounting Plate
C	NA	Router Box
D	2020114405	All-in-One (AIO) Antenna
E	NA	Extra activation label (located inside box)

Preparation

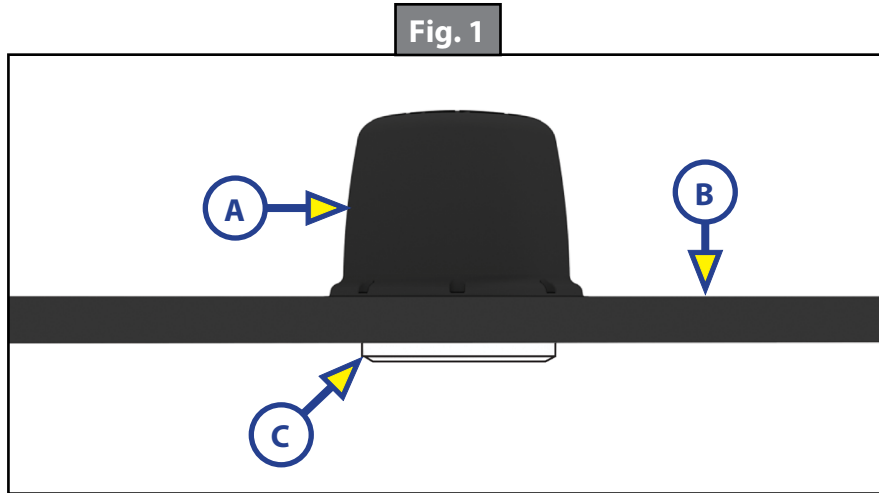
Prior to Installation

- Make sure the mounting surfaces are flat and clean and free of debris and damage.
- Make sure that there are no wires, pipes, etc. behind the drilling area before installation.

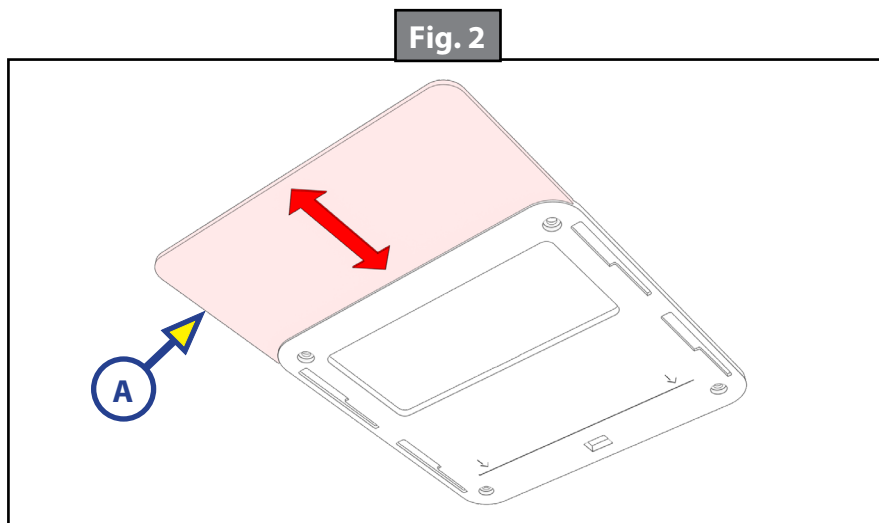
Selecting a Location

For each floorplan, start by selecting a location for the Router, then the Antenna. Make sure the location meets the following criteria:

- The Antenna (Fig. 1A) must be installed on the roof (Fig. 1B) directly above the Router (Fig. 1C).



- The Antenna must clear the front of the unit by 30 inches/750mm.
- The Antenna must maintain a clearance 24 inches/600mm to the nearest obstruction and to the end of the roof.
- The Router's LED must be visible to users, not obstructed or inside cabinets or storage areas.
- The Router should be located toward the center of the unit, allowing even reception throughout the unit.
- 12V power and CAN cables must be to be run to the location.
- If providing radio and local TV signals, COAX cables will need to be run to the location.



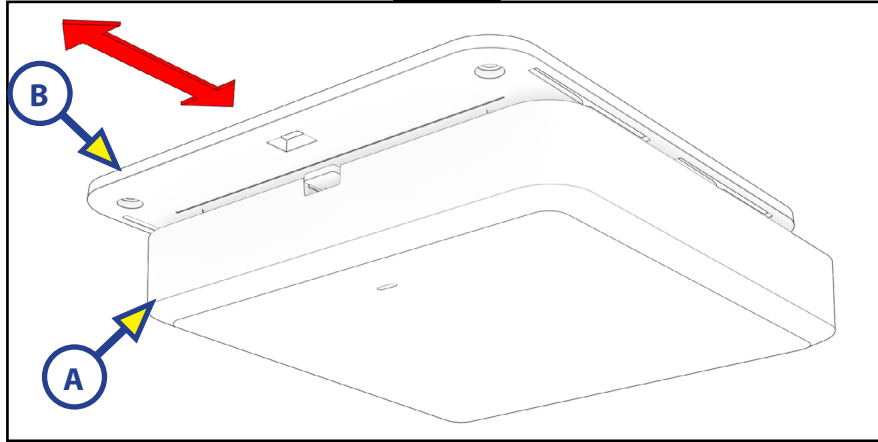
NOTE: The front of the Router requires clearance of 3.0 inches/75mm (Fig. 2A) for final installation and service removal. The front side of the mounting plate, side closest to the cutout area, should have the available room.

Installation

Install Mounting Plate and Create Saw Hole

1. Separate the mounting plate from the Router by pushing down on the button on the front of the Router (Fig. 3A), then sliding the mounting plate (Fig. 3B) forward until it pops off.
2. Set the Router aside for later installation.

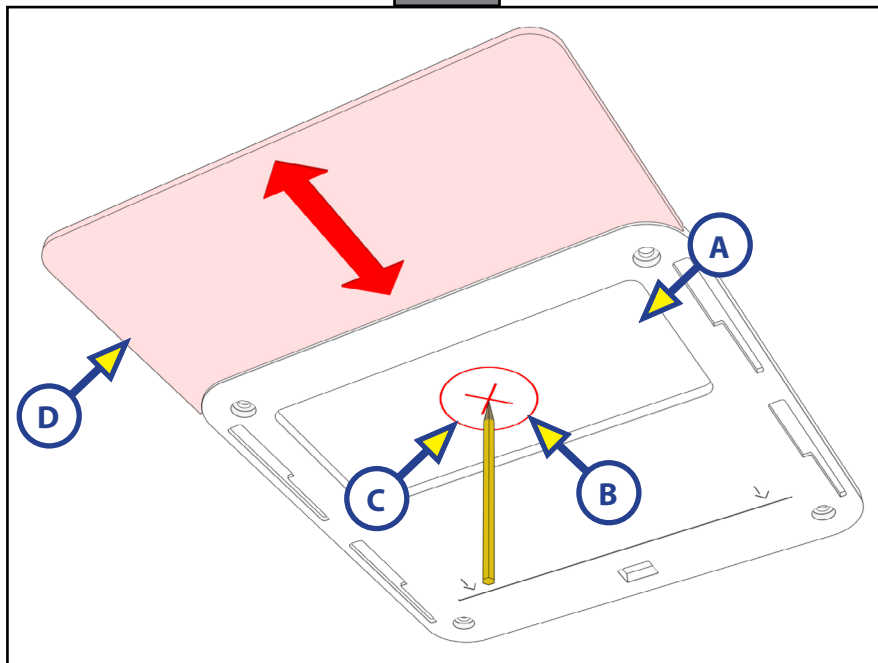
Fig. 3



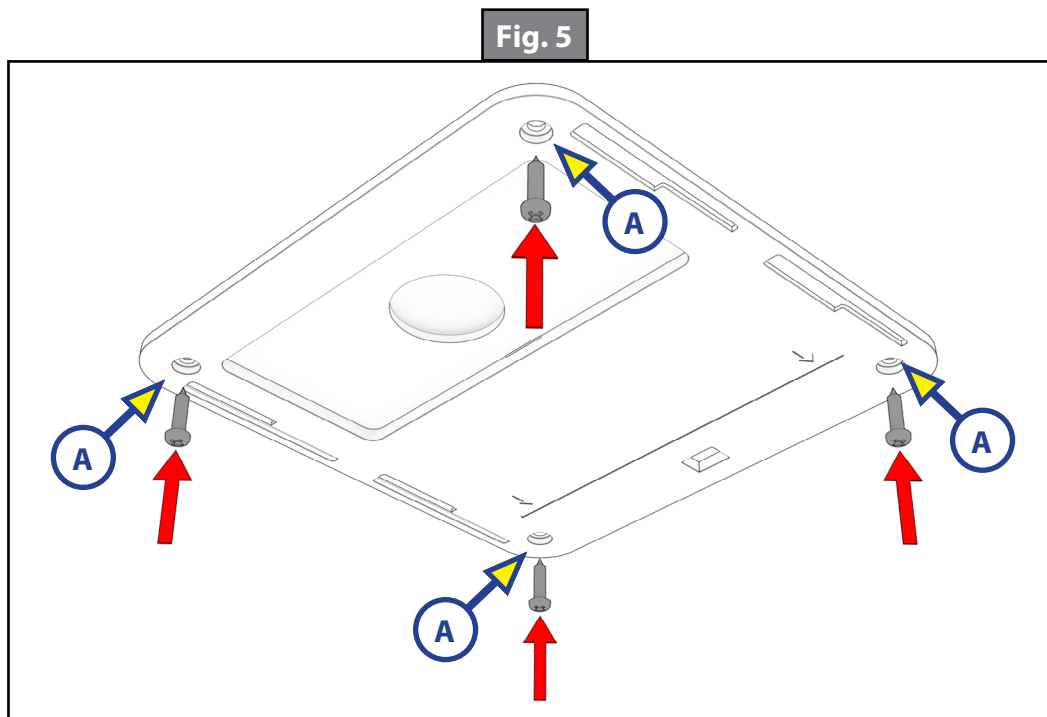
3. Center the window opening (Fig. 4A) over the desired installation location (Fig. 4B).
4. Mark a 2" circle (Fig. 4C) with a non-permanent marking device in the center of the mounting plate window.

NOTE: Before drilling, confirm availability of 3.0 inch/75mm clearance area (Fig. 4D).

Fig. 4

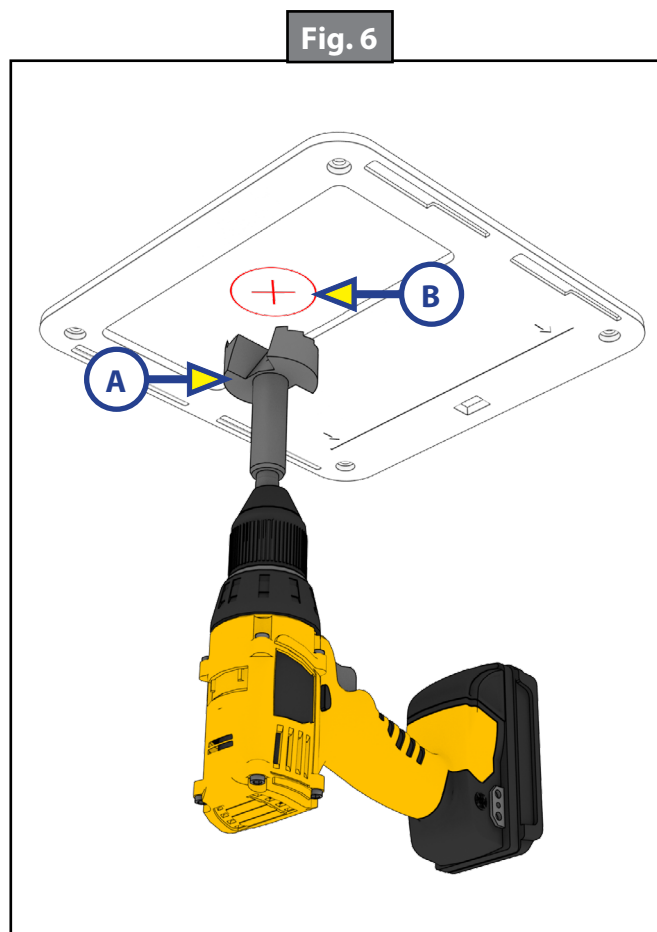


5. Secure the Mounting Plate to the ceiling with 4 #8 screws (Fig. 5A).



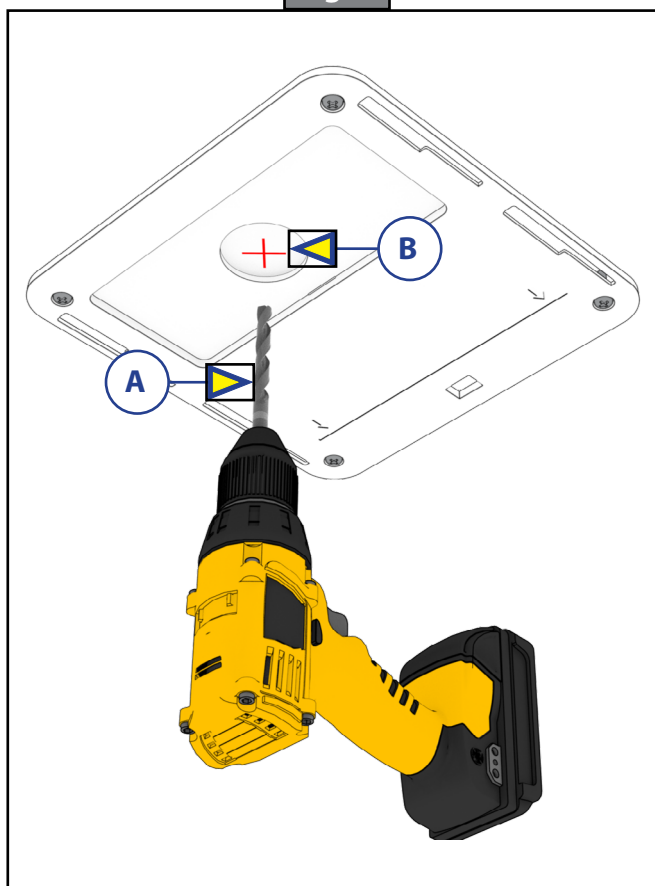
6. Using a drill with a 2" hole saw (Fig. 6A), create a hole in the ceiling (Fig. 6B).

NOTE: Do not let the hole saw go through the roof.



7. Using a small drill bit (Fig. 7A) , drill a pilot hole (Fig. 7B) through the unit's roof to locate and center the Antenna. The pilot hole will help ensure alignment between the Antenna and Router.

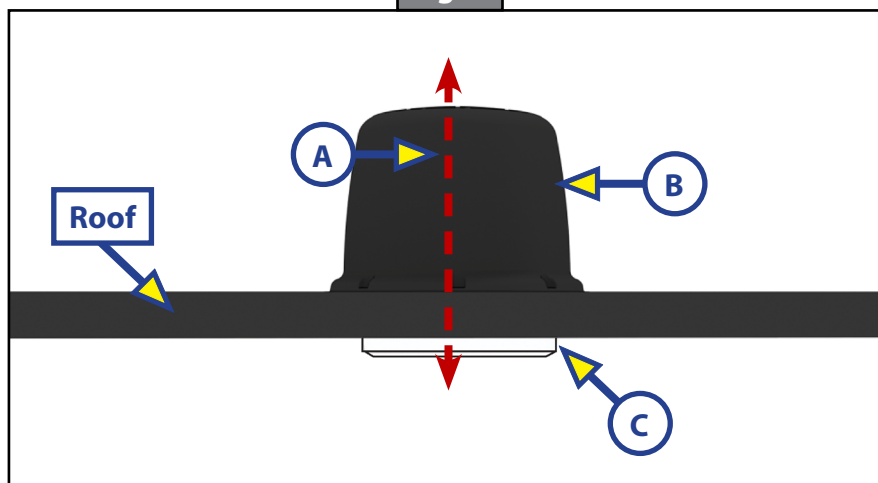
Fig. 7



NOTE: To ensure repeatability across a given floorplan, Lippert recommends fabricating a template to locate the Router and Antenna. A pilot hole may not be necessary if using a template.

8. The pilot hole will help ensure alignment (Fig. 8A) between the Antenna (Fig. 8B) and Router (Fig. 8C).

Fig. 8



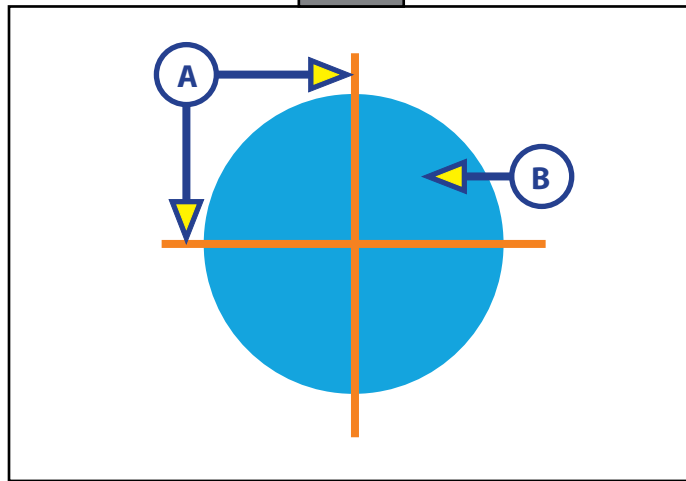
Install Antenna

Move to the roof to install the Antenna.

1. Locate the pilot hole.
2. Place the Antenna directly over the pilot hole.
3. With a non-permanent marking device, trace the outline of the Antenna.
4. Set the Antenna aside.
5. With a sharp cutting tool, cross-cut the rubber roof (Fig. 9A).
 - A. The cuts should be 1¼" long in each direction.
 - B. Peel the corners of the rubber roof back and drill a 1" hole (Fig. 9B) in the center of the cuts.

NOTE: This is where the cable wires will pass from the Antenna to the Router.

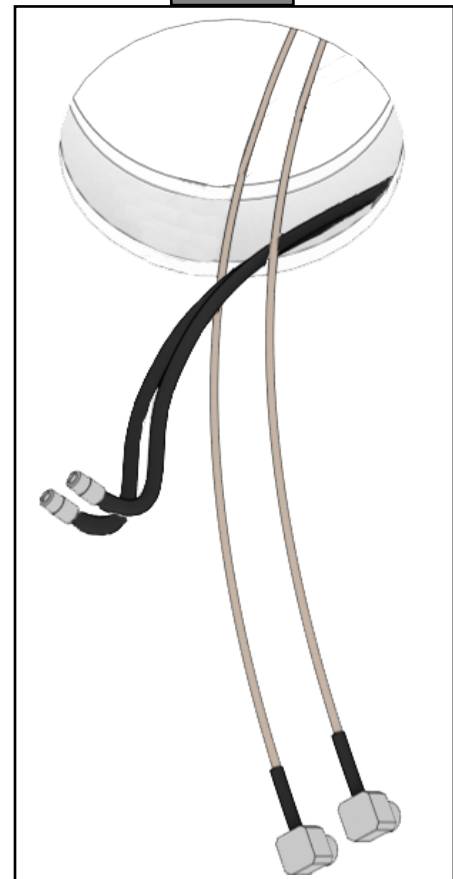
Fig. 9



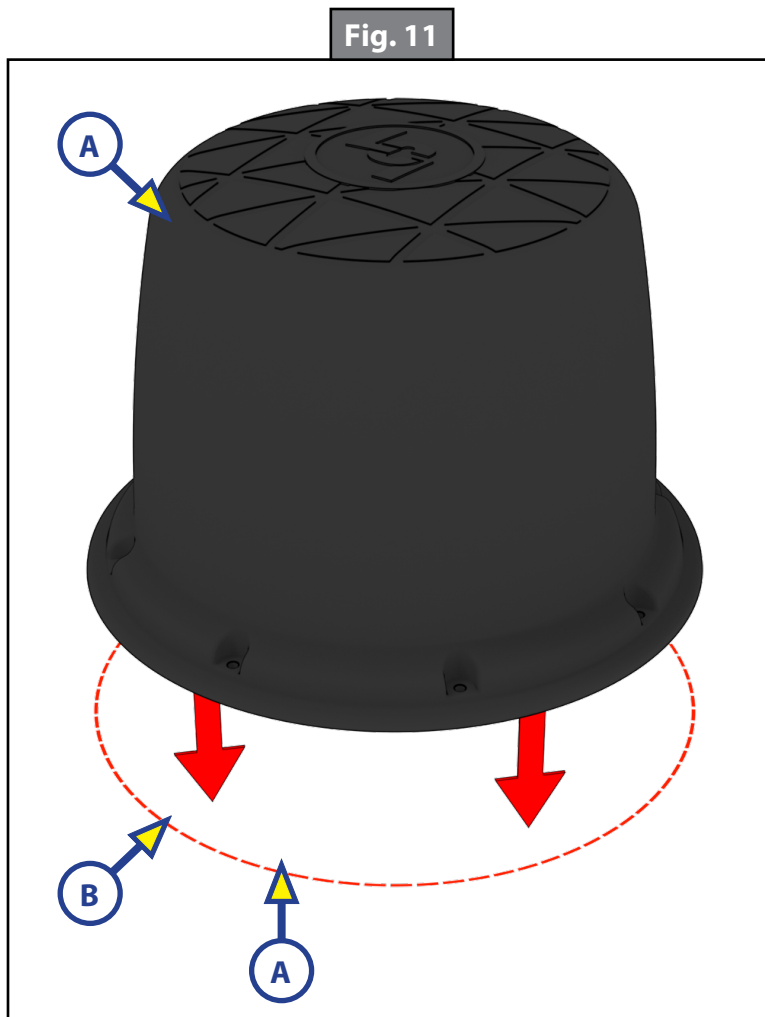
6. Run a CAN line, power line and COAX cables to the location of the hole (Fig. 10). Let them hang down inside the unit allowing enough length to reach and connect to the Router.
7. Thread the Antenna's cables through the hole in the roof.

NOTE: Make sure all wires are hanging through the hole in the unit's ceiling

Fig. 10

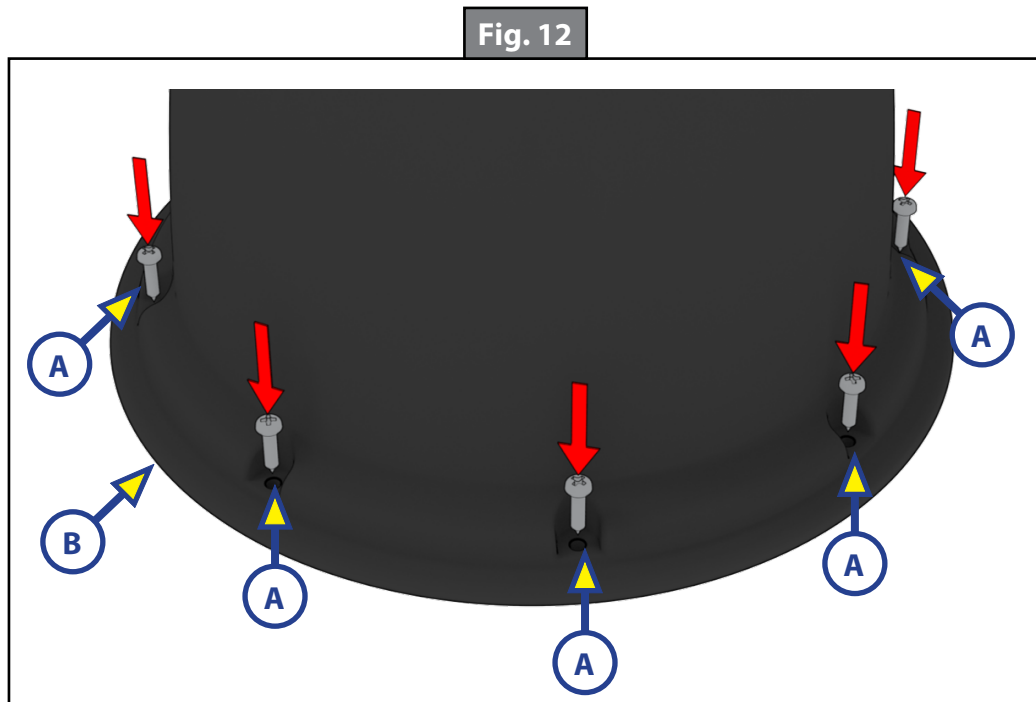


8. Place the Antenna (Fig. 11A) inside the line traced earlier (Fig. 11B).



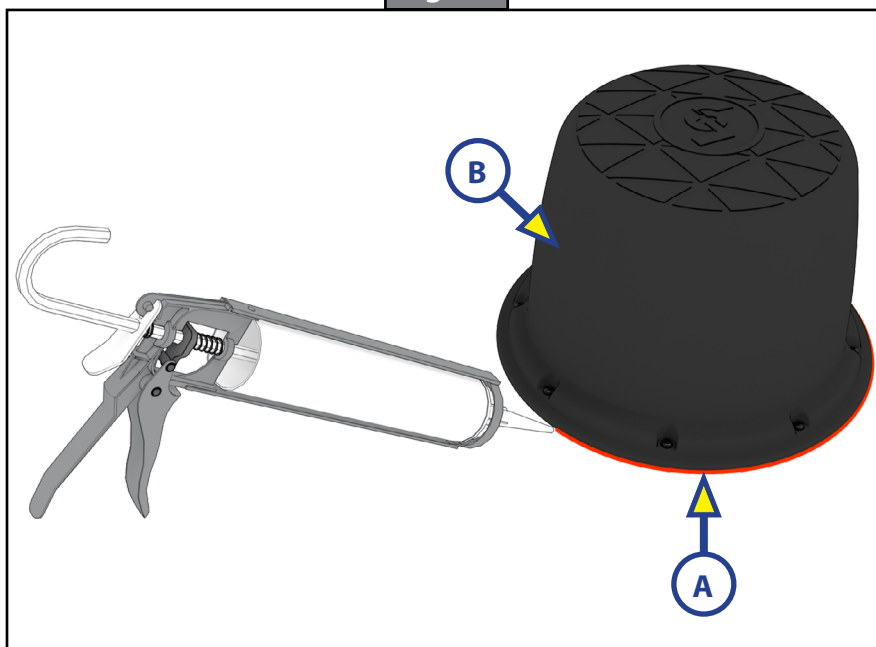
9. Using a screw gun, install the #8 screws (Fig. 12A) around the base of the Antenna (Fig. 12B).

NOTE: Set the screw gun to a torque value of 9.5 lbs to avoid damage to the Antenna. Install them in a star pattern around the edge of the Antenna.



10. Apply line of weatherproof silicon caulk (Fig. 13A) to seal the Antenna (Fig. 13B) to the roof.

Fig. 13



COAX Cables Connection

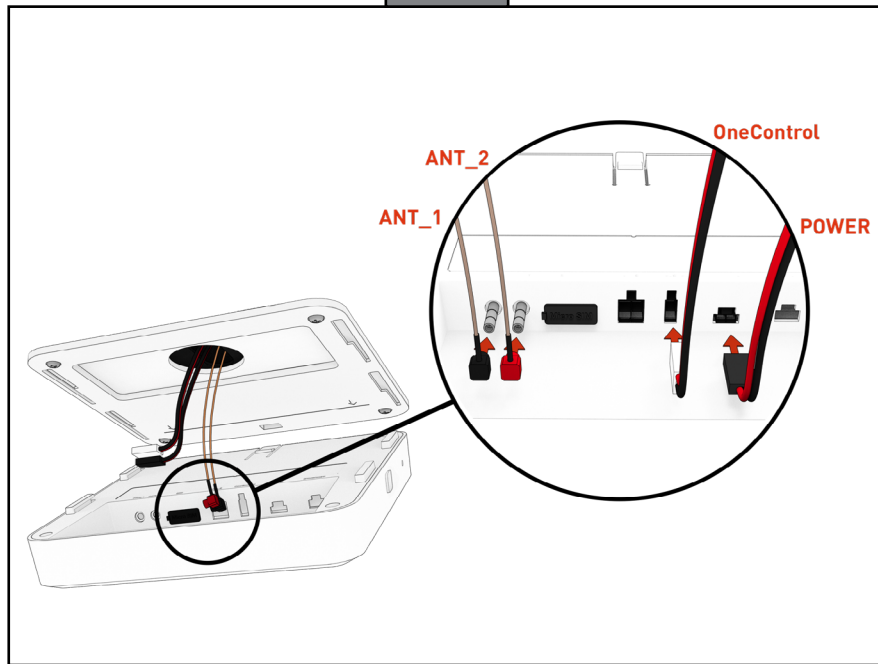
Move back into the unit to connect the COAX cables and install the Router.

- A. If the Antenna is to provide radio and local TV broadcasts, connect the COAX cables:
- The black cable is for radio.
 - The white cable is for TV.
 - Tuck the cables into the hole in the ceiling.
- B. If the AIO does not need to provide radio and TV signals, tuck the unused COAX cables into the ceiling.

Install Router

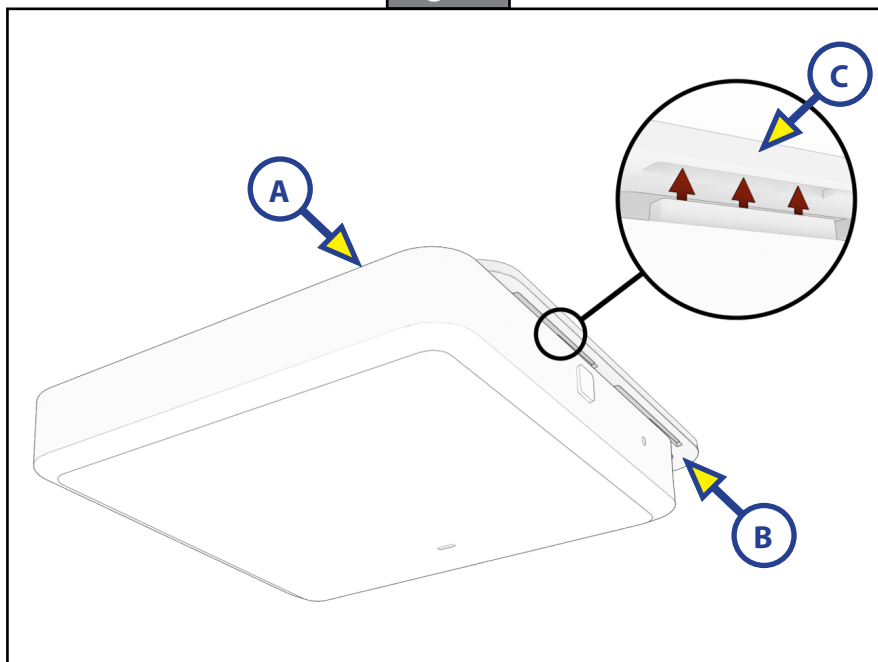
1. With the mounting plate secured, plug cables into their appropriate ports (Fig. 14).
 - A. Connect the CAN cable to the “OneControl” port.
 - B. Connect the LTE cables to the Ant_1 and Ant_2 ports. These cables are interchangeable.
 - C. Connect the power cable to the power port.

Fig. 14



2. Gently tuck the remaining cable slack into the hole in the ceiling or space in front of the ports.
3. Lift the Router (Fig. 15A) up towards the mounting plate (Fig. 15B).
4. Line up the slots on the mounting plate with the positive elements on the Router (Fig. 15C).

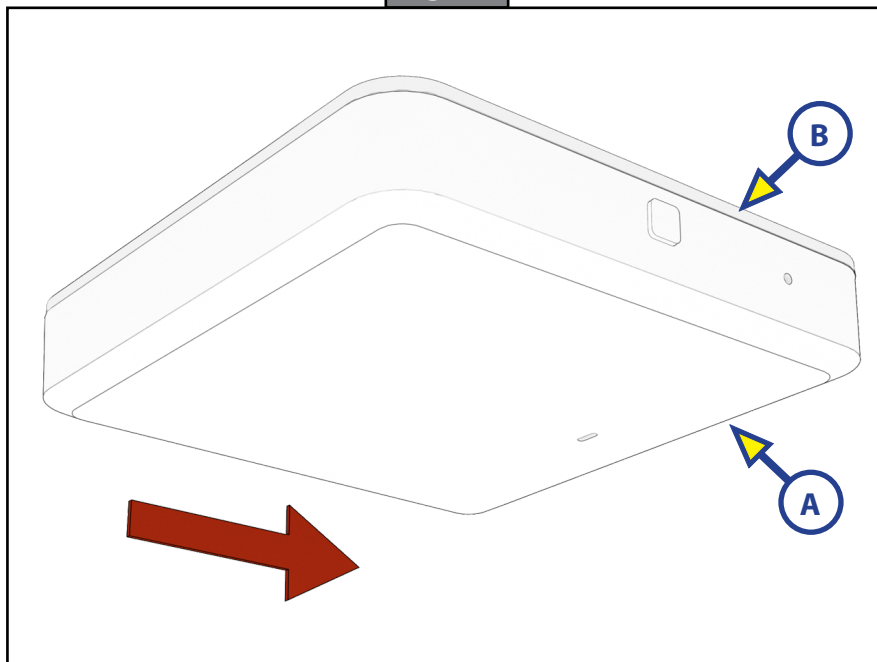
Fig. 15



- Slide the Router (Fig. 16A) over the mounting plate (Fig. 16B).

NOTE: Listen for a click when the router is securely in place.

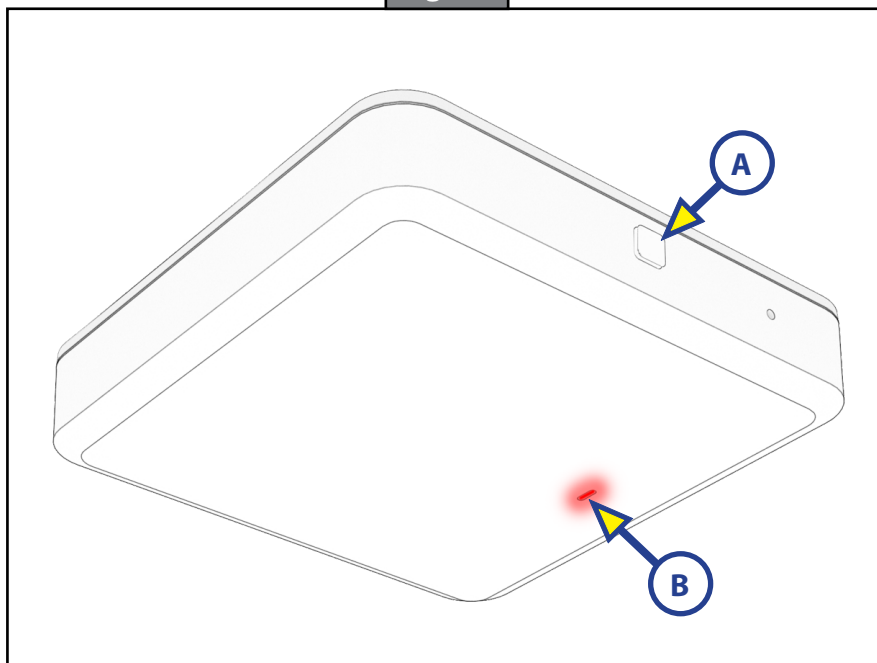
Fig. 16



NOTE: There is a release lever on the front of the Router if access to cables, etc. is necessary.

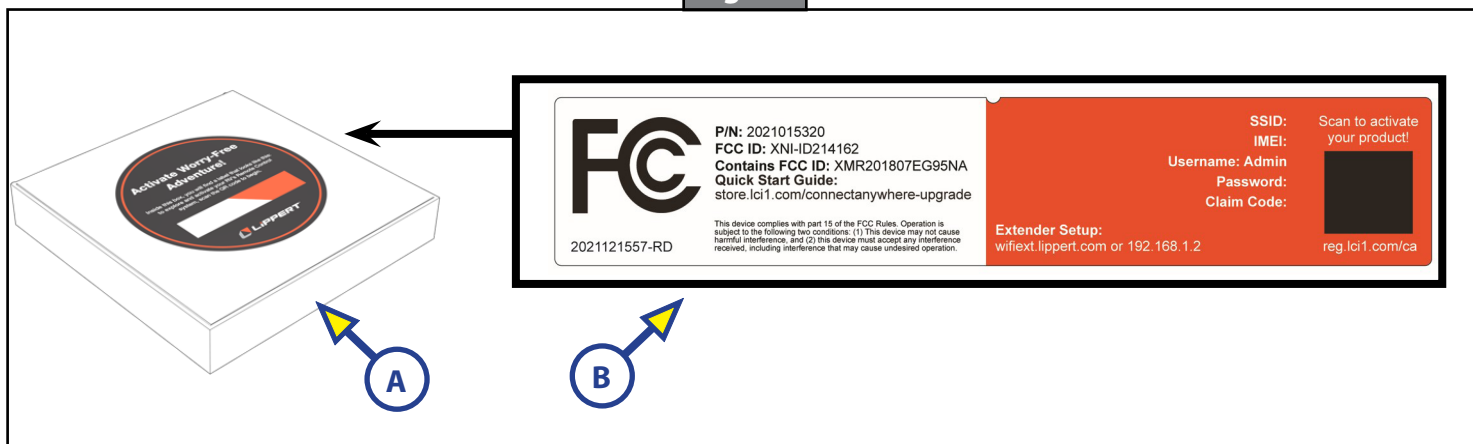
- Using the button on the side of the Router, turn the device ON (Fig. 17A). When the Router receives power, the LED will blink red (Fig. 17B).
- When the LED stops blinking and stays red, it is ready for the user to purchase a data plan and connect to the Internet.

Fig. 17



NOTE: Leave the Router's box (Fig. 18A) in the unit. The end user will need the label inside to activate their system (Fig. 18B).

Fig. 18



ConnectAnywhere™ 2.0 AIO System Specifications

Specification	Detail
Reception Type	4G LTE, WiFi
Wireless Standard	IEEE 802.11 b/g/n 2.4GHz IEEE 802.11a/n/ac 5GHz
Wireless Speed	LTE Cat 4 Max 150Mbps (DL) Max 50Mbps (UL)
Wireless Security	WEP or WPA Encryption Keys
Sim Card Port	Micro SIM
Power Rating	DC 12V/1.25A
Frequency Band	Dual Band WiFi 2.4GHz/5GHz
WiFi Antenna	Two (2) Dual Band PIFA Antenna
Set-Up Requirements	Device with a browser and Internet connection (computer, tablet, or smart phone).
Carriers Available	AT&T

FCC 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 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 or more of the following methods:

- Reorient or relocate the receiving Antenna.
- Increase the separation between the equipment and devices.
- Connect the equipment into an electrical outlet on a circuit different from that which the radio 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. Only channels 1–11 can be operated. Selection of other channels is not possible. This device and its Antenna(s) must not be co-located or operating in conjunction with any other Antenna or transmitter.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 25 cm between the radiator and your body. This device and its Antenna(s) must not be co-located or operating in conjunction with any other Antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

This device complies with FCC and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme à FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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Follow proper safety practices. If in doubt, consult a professional RV technician.