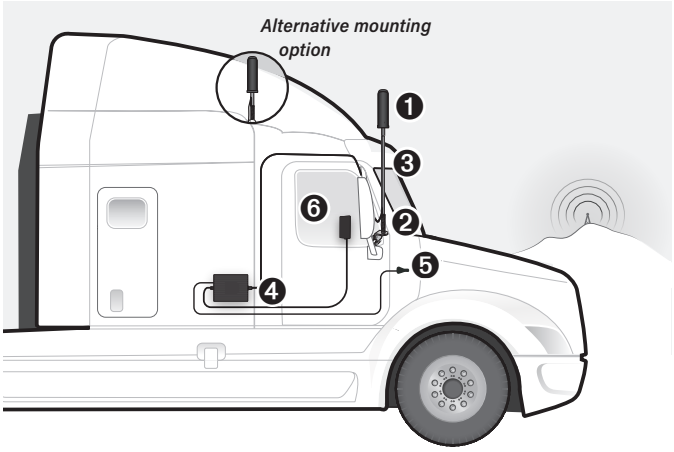
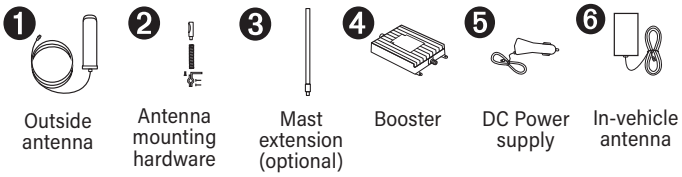
SureCall

Quick Setup Guide

SureCall Fusion2Go XR OTR





Includes optional dome stud mount

Have Questions?

We have answers! Reach out to our US-based support team:

Call: 1-888-365-6283
Email: support@surecall.com
Visit: www.surecall.com

Industry-Best Three-Year Warranty

Thank you for your SureCall purchase. Please register your new product at www.surecall.com/activate.

For complete warranty text, including limitations and liability, see the Fusion2Go XR OTR user manual, available online at or www.surecall.com.

A "soft installation" should first be performed by assembling the truck antenna (WITHOUT GLUE) and routing the cable through an open window. After completing the remaining installation steps and successful operation is verified, proceed with permanent installation.

BEFORE YOU BEGIN

Select a location on your vehicle for the outside antenna. Multiple placement and height configurations are available to achieve the best configuration for your specific vehicle needs. The antenna can be mounted on any truck, with or without an existing antenna mounting point.

For vehicles without built-in mounting points, a 3/8 x 24 thread mount design is used to accommodate many available 3rd party CB mounts.

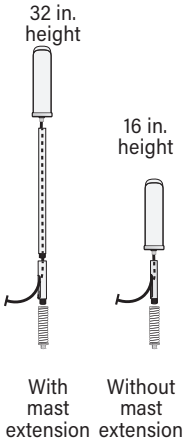
A 2-clamp mounting bracket is provided for use on a mirror rail or other existing vehicle rails.

Additionally, an extension pole is also provided. Note, it is needed only to achieve the clearance requirements for the antenna specified below.

Keep in mind, the antenna mounting location should:

(a) Allow the antenna to extend above the metal cab, (b) be at least 6 inches away from any windows and (c) provide at least a 12-inch radius clear of obstructions and other radiating elements, such as a radio antenna.

Thread glue is provided with the antenna. It should be applied at each threaded connection only after you have confirmed the proper height configuration as the glue will make the connection permanent.



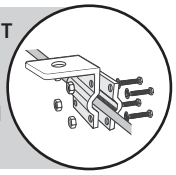
1. PLACE OUTSIDE ANTENNA

Once you have determined the mounting location, assemble the antenna parts by routing the cable through the mast extension (if used) and through the cable exit adapter.

If using the provided mounting bracket, we recommend installing the spring base and mounting bracket before adding the remaining assembly.

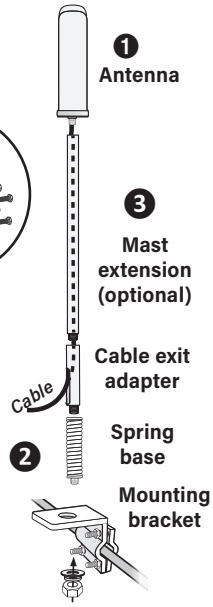
INSTALL MOUNTING BRACKET

Secure bracket to vehicle rail as shown using provided hardware. Secure all four bolts in place and secure with a wrench.



SECURE THE ASSEMBLED ANTENNA TO THE MOUNTING BRACKET

Assemble the spring base and mounting bracket by placing the threads through the opening of the mounting bracket as shown in the illustration. Use the provided washers on the bottom of the bracket opening then add the nut to bottom of the thread to secure in place. Once complete, connect the assembled antenna and the spring base.

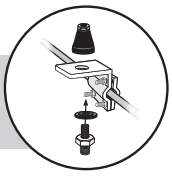


ROUTE CABLE

Route cable from outside to the inside of the cabin behind a door seal where your booster will be located. If additional cable length is needed, optional 5 ft extension cable has been provided.

ALTERNATIVE MOUNT

Includes optional dome stud mount for the OTR antenna with 3/8-24 thread



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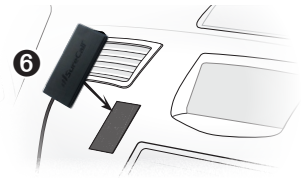
2. INSTALL INSIDE ANTENNA

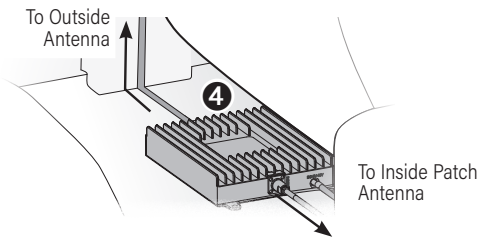


Identify a location for the inside antenna on or near your front dashboard that is: (1) Within 2-3 feet of typical cell phone location, (2) At least 8 inches (20cm) from cellular devices and (3) At least 4 inches (10cm) from metal.

To achieve adequate antenna isolation, it may be necessary to lower the placement of your inside antenna. The SureCall app can help you to determine optimal placement.

Peel Velcro backing and apply to a clean dry surface in your chosen location.

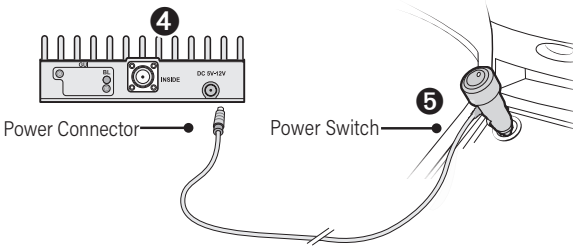
3. PLACE BOOSTER AND CABLES



Select a well-ventilated location for the booster that is away from excessive heat, direct sunlight, and moisture. Beneath a seat or within the front console is suggested.

Connect the cable from the outside antenna to the connection marked OUTSIDE and connect the cable from inside patch antenna to the connection marked INSIDE. Hand tighten the connections and secure any loose cable.

4. CONNECT TO POWER



Connect the DC power cord connector to the signal booster and the adapter end to the cigarette lighter adapter to your vehicle. Once all connections are connected, turn the power switch on the adapter to ON. The POWER LED will briefly flash YELLOW/RED during initialization to indicate that the signal booster is ready for use.

Note: This booster is also compatible with an AC power adapter, SureCall part # SC-AC-5.9V2.8A-B.

Verify Your System is Working

Place a call in a location where you previously experienced poor cell service and confirm that your phone is receiving boosted signal. To improve performance, antenna adjustments may be needed. Review the following potential causes:

(1) Verify the two antennas have sufficient separation/isolation from the other and (2) at least 12 inches from other radiating elements.

Note: Bars are not always a reliable measure of signal. The best way to confirm signal coverage is the ability to place and hold a call.

'POWER' LED

During initialization, the LED will briefly flash YELLOW/RED. This is part of normal operation. After initialization, normal operation is indicated by a Green LEDs. In the event Red LEDs appear, antenna adjustments may be needed.

LED State	Status	Indication
Solid GREEN	Normal	Normal
Solid RED	Alert – Oscillation detected	Indicates that oscillation has caused the booster to shut off. Antenna repositioning is needed. Verify that there is sufficient separation between the outside and inside antennas, as well as any potentially interfering objects or antennas.

Troubleshooting

Problem: Signal booster has no power

Connect the power supply to an alternate power source. Verify that the power source is not controlled by a switch that has removed power from the outlet.

If the POWER LED on the signal booster remains OFF, contact tech support at: 1-888-365-6283 or support@surecall.com

Problem: Following installation, signal coverage has not improved

(1) Verify that all cable connections are tightly fitted. (2) Try further separating the antennas. (3) Verify that there is usable signal where the outside antenna is placed.

Quickly optimize your antenna separation with the 'SureCall' mobile app that is available in the Google Play or Apple's App Store.

Specifications

Uplink Frequency (MHz):	698-716 / 776-787 / 824-849 / 1850-1915 / 1710-1755
Downlink Frequency (MHz):	728-746 / 746-757 / 869-894 / 1930-1995 / 2110-2155
Supported Standards:	5G, 4G, LTE cellular standards
Maximum Gain:	50 dB
Input Impedance:	50 Ω
Gain Adjustment:	20 dB (Automatic)
Max Uplink Power:	29.0 dBm
Noise Figure:	≤ 6 dB
DC Power:	6-15V
VWSR:	≤ 2.0
Max Output Power:	1 Watt EIRP
Exterior Cable:	RG-58
RF Connectors:	FME Male (both ends)
Power Consumption:	≤ 12W
Operation Temp:	-4º to +158º F
Certification:	FCC ID: RSN-FUSION2GO5G Contains FCC ID: XPYNINAB1

This is a CONSUMER device

BEFORE USE, you **MUST REGISTER THIS DEVICE** with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20 cm (8 Inches) from any person. You **MUST** cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

WARNING: E911 location information may not be provided or may be inaccurate for calls served by using this device.

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.

The outside antenna must not be collocated or operating with any other antenna or booster.