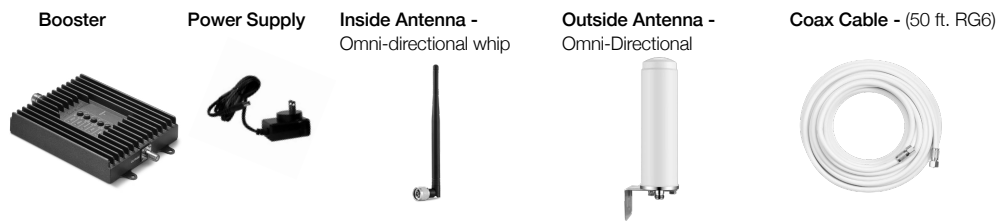


Contents



Before installation, ensure adequate separation between the locations of the outside antenna and Inside antenna – at least 25 ft.

1. FIND AREA OUTSIDE WITH STRONGEST SIGNAL

Using your phone, identify the outside location with the strongest signal. Generally, this is found on the side facing your nearest cell tower and as high as possible.

Note that 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. For specific dB signal measurements, use the methods below. Note that dB measurements appear as a negative number where the closer to 0, the stronger the signal (e.g., -100 dB would be considered a weak signal while -65 dB a strong signal).

*Apple iPhones: Dial *3001#12345#* and press Call. In the top-left corner, a dB number appears instead of bars.*

Android devices: download the app "Network Signal Info" in the Google Play store.

Please note: This signal booster requires a minimum cellular signal reading of -100 dB at the location of the outside antenna. Signal between -70 dB and -90 dB is recommended for best performance. Signal stronger than -50 dB may cause the affected frequency bands to turn off.

2. INSTALL THE OUTSIDE ANTENNA

After identifying the area of strongest signal, choose the surface where you will mount the outside antenna.

Using the provided plate and hardware, mount the antenna at the highest possible elevation and allow a minimum separation of 25 feet from the indoor antenna. Ensure that the mounting area has at least a 12-inch radius clear of obstructions and other radiating elements and orient the antenna vertically.

Once the outside antenna is secured, connect one end of the provided 50 ft. coax cable to the antenna and tighten the connection.

3. ASSEMBLE THE SIGNAL BOOSTER AND INSIDE ANTENNA

Connect the inside antenna to the booster by screwing it directly into the port of the booster labeled "INSIDE". Next, select a location for the booster that is close to a working AC outlet*. Because the supplied inside antenna is omni-directional (i.e. it broadcasts signal in a 360° radius), the booster should be placed in a central location with the antenna oriented in an upright position.

Should you choose to mount the booster to a wall, screws have been provided. Use the supplied screws or appropriate screws for surface of mounting location and drill through screw tab holes on booster (see diagram).

Connect the remaining end of the RG6 coax cable to the booster port marked "OUTSIDE" and tighten the connection.

4. CONNECT POWER

Next, connect the AC power cord to the booster and plug into a 110V AC power outlet. Once the booster has been completely assembled, turn the booster's power switch on.

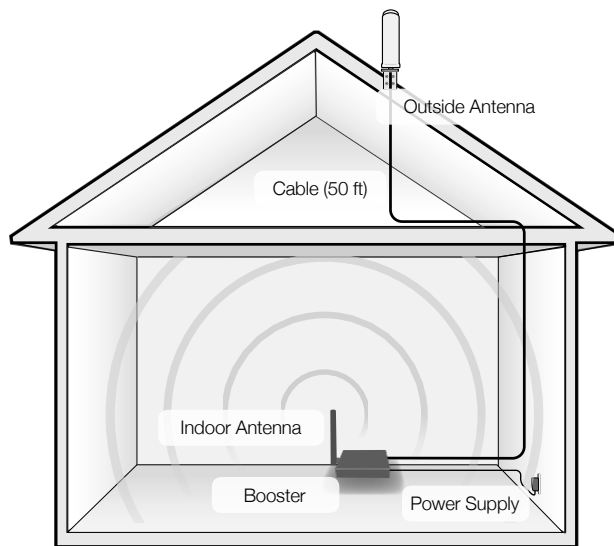
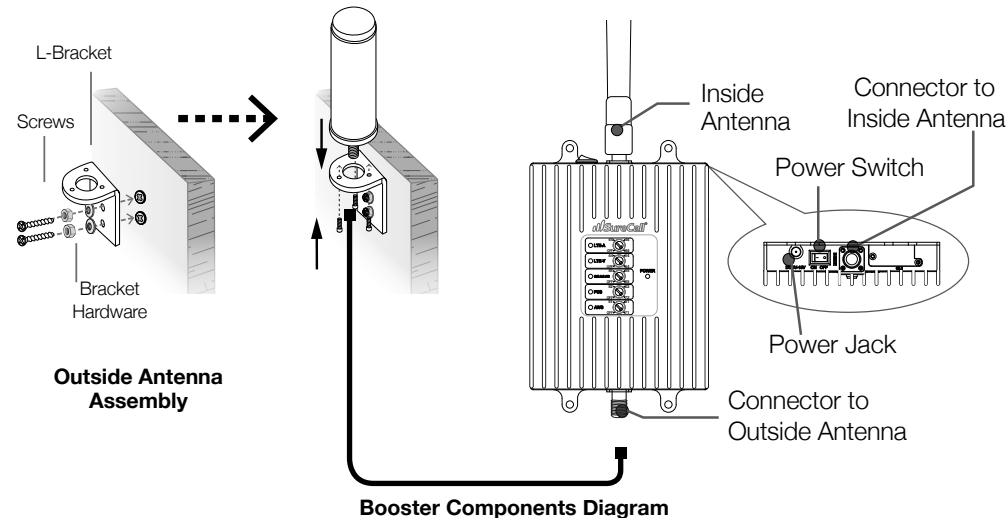
Note: If the Power LED does not turn ON or the Alert LEDs continue to flash, see the Troubleshooting section. This booster is rated for 5-15V input voltage. DO NOT use the booster with a higher voltage power supply. This can damage the booster, cause personal injury and void your warranty.

CONFIGURE GAIN SETTINGS

The SureCall gain dials should always be at maximum level unless the control light in a specific band is flashing red or flashing red-yellow. In either of these cases, the first action should be to increase the antenna isolation between the inside and outside antenna as much as possible and restart the booster. If the situation continues, you can lower the gain with an attenuator or, as the last resort, reduce the booster gain by 5dB at a time until the control light in the frequency band flashes yellow.

If you Want to Improve Coverage

1. Find a location that receives a stronger signal and relocate the outside antenna to that location.
2. Increase the distance between the outside and inside antenna.
3. Set each dial on the booster to maximum gain.



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/support to download the user manual for:

» Detailed setup instructions

» Troubleshooting tips

» Warranty information

Specifications

	Fusion4Home 3.0 (US)	Fusion4Home 3.0 CA (Canada)
Uplink Frequency Range (MHz):	698-716 / 776 – 787 / 824-849 / 1850-1915 / 1710-1755 (G Block Included)	
Downlink Frequency Range (MHz):	728-746 / 746 – 757 / 869-894 / 1930-1995 / 2110-2155 (G Block Included)	
Maximum Gain:	72 dB	
Supported Standards:	CDMA, WCDMA, GSM, EDGE, HSPA+, EVDO, LTE and all cellular standards	
Input Impedance:	75Ω donor port / 50Ω server port	
Noise Figure:	8 dB	
AC Input:	Input AC110V, 60 Hz; Output DC 5-15V	
Maximum Output Power:	1 Watt EIRP	
Cable:	RG6	
RF Connectors:	F Female / N Female	
Power Consumption:	<15W	
Operation Temperature:	-4° to +158° F	
Certifications:	FCC ID: RSNF4HOME	IC: 7784A-F4HOME

Troubleshooting

Problem	Resolution
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 is OFF, Contact tech support at: 1-888-365-6283 or support@surecall.com
After completing installation, indoor signal coverage has not improved	(1) Verify that all cable connections are tightly fitted. (2) Try further separating the booster and antenna. (3) Verify that there is usable signal where the outside antenna is placed. Remember: 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.

LED Indicators

Color	Condition	Indication
	OFF	This is part of normal operation. Light is off while band is active.
Yellow	Solid	This is part of normal operation. Indicates that the band is Inactive. After a period of time, if there's no activity the band will go into sleep mode. Light is off while band is active.
Yellow	Flashing	This is part of normal operation. Indicates that the Automatic Gain Control (AGC) is self-adjusting.
Red	Flashing	Indicates that the booster is receiving too much signal which could cause the affected band to automatically turn off. When this happens: 1. For kits using an OMNI outside antenna, relocate the outside antenna to a location where the signal is weaker. 2. For kits using a YAGI outside antenna, turn the antenna in short increments away from the signal source. 3. Increase the separation between antennas (additional vertical separation works best). 4. Add an inline attenuator to the cable coming into the outside port of the booster. 5. As a last resort, turn down the dB gain on the dial until the light goes OFF or flashes yellow.
Yellow/Red	Alternately Flashing	Oscillation is detected. First, try increasing the separation between the inside and outside antennas. If your booster kit uses two directional antennas (example: outside Yagi antenna and inside panel antenna), ensure that they are facing away from one another. If oscillation continues, lower the dB gain in small increments until the light turns off or flashes yellow.
Red	Solid	Band is off. If a red light has been flashing for an extended time, the band will automatically shut off and display a solid red light. This can also happen when the booster attenuation has been turned all the way down.

WARNING: Do not attenuate the uplink and downlink dB settings below 35 dB. This could cause the affected frequency band to turn off.

3-Year Warranty

Thank you for your SureCall purchase. Please take the time to register your new product at www.surecall.com/activate (US) or www.surecall.com/CA/activate (Canada)

SureCall warrants its products for three years from the date of purchase against defects in workmanship and/or materials.

Products returned by customers must be in their original, un-modified condition, shipped at the customer's expense in the original or protective packaging with proof-of-purchase documentation enclosed and a Return Merchandise Authorization (RMA) number printed clearly on the outside of the shipping container. RMA numbers are obtained by contacting Customer Support.

This warranty does not apply to any product determined by SureCall to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages the product's physical or electronic properties.

For complete warranty text, including limitations and liability, see the Fusion4Home full user manual, available online.

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.

In Canada, **BEFORE USE** you must meet all requirements set out in ISED CPC-2-1-05.

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 (i.e., MUST NOT be installed within 20 cm of) any person.

You MUST cease operating this device immediately if requested by the FCC (or ISED in Canada) or licensed wireless service provider.

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

This device may operate in a fixed location only, for in-building use.

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.

