



weboost 470159 RV Cellular Signal Booster with Telescoping Pole Installation Guide

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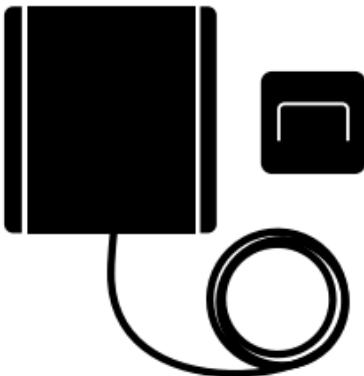
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Package Contents

- Booster & Mounting Bracket



- Inside Antenna & Mounting Bracket



- Outside Antenna & Mounting Bracket



- Power Supply, Hardwire Power Supply & In-line Fuse Holder



- 2 Qty. 15 ft. (4.5 m), 1 Qty. 30 ft. (9 m), Coax Cables & Flat Entry Cable

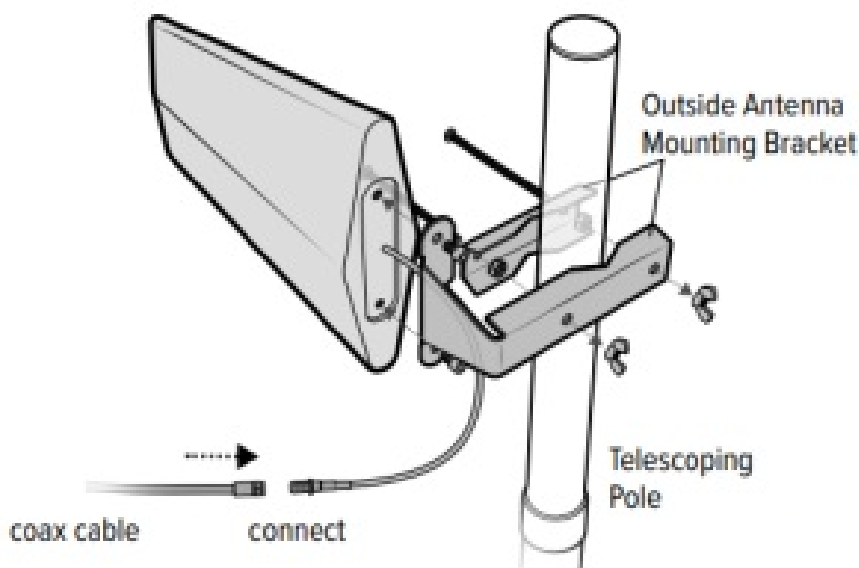


- Telescoping Pole, Wall Mount Brackets & Ground Mount



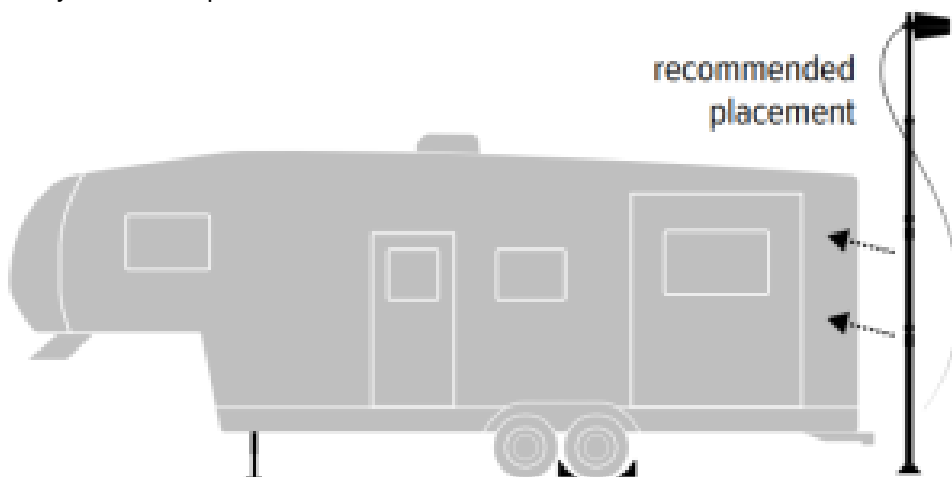
STEP 1 Mount Outside Antenna to Telescoping Pole

Mount **outside antenna** to **telescoping pole** with **mounting bracket**. Connect the **30 foot (9 meters)** coax cable to outside antenna.



STEP 2 Mount Telescoping Pole to Side of RV

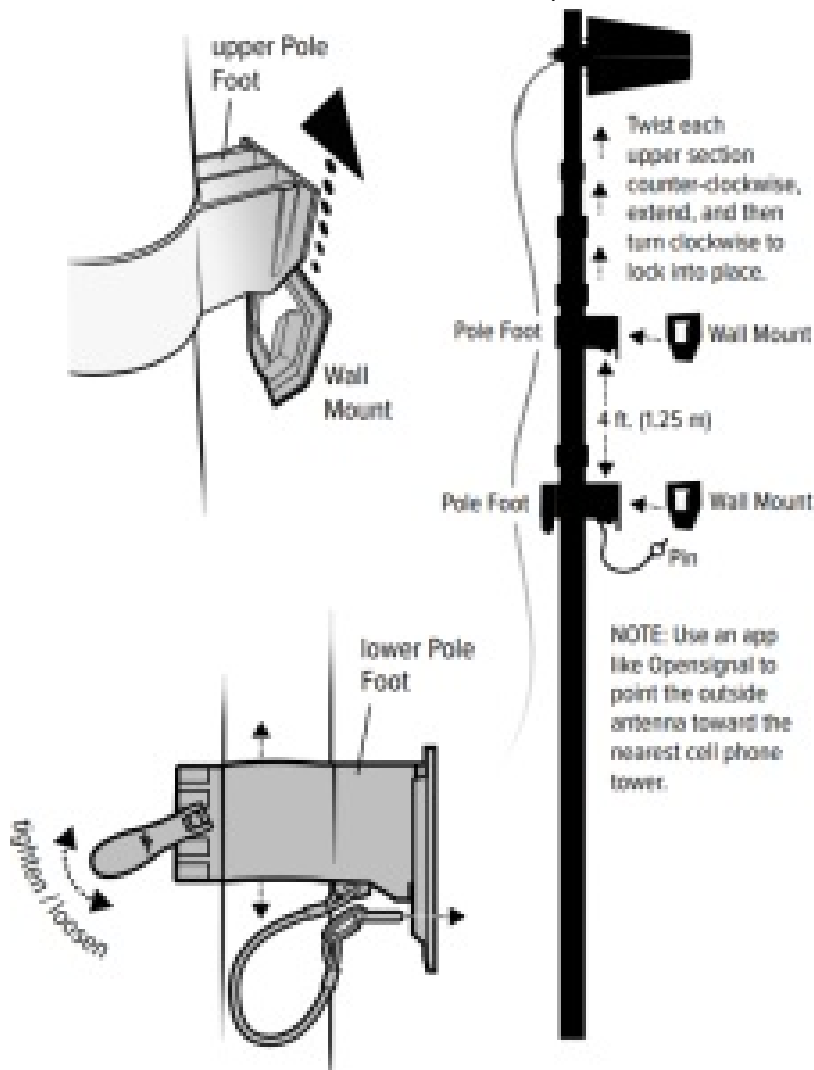
Determine where you want to mount the **telescoping pole** on your RV. We recommend mounting near slide out or toy hauler ramp door on the side.



Attach both wall mounts to the pole feet located on the pole and fully extend the pole.

Insert the attached pin into the hole on the lower bracket to secure wall mount. Adjust the pole foot bracket so there is **at least 4 feet (1.25 meters)** of separation between the top and bottom pole feet and wall mounts.

⚠ WARNING: Check for and avoid any powerlines or overhead obstructions. When the pole is mounted, do not move the RV. Pole should be taken down prior to winds over 35 mph (56 kph) and lightning occurrences.

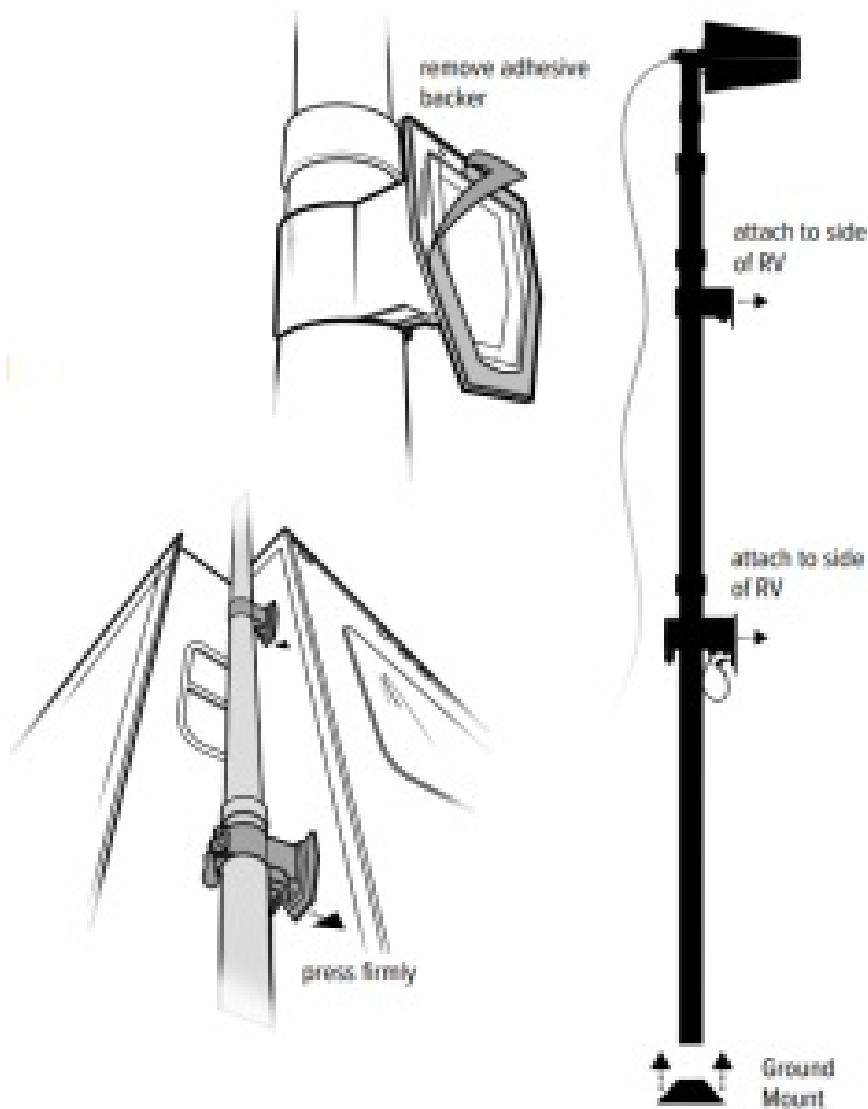


Clean surface of RV where wall mounts will attach and remove the **adhesive backer** on both the upper and lower wall mounts.

NOTE: The wall mounts must be attached for the first-time setup of the Destination RV.

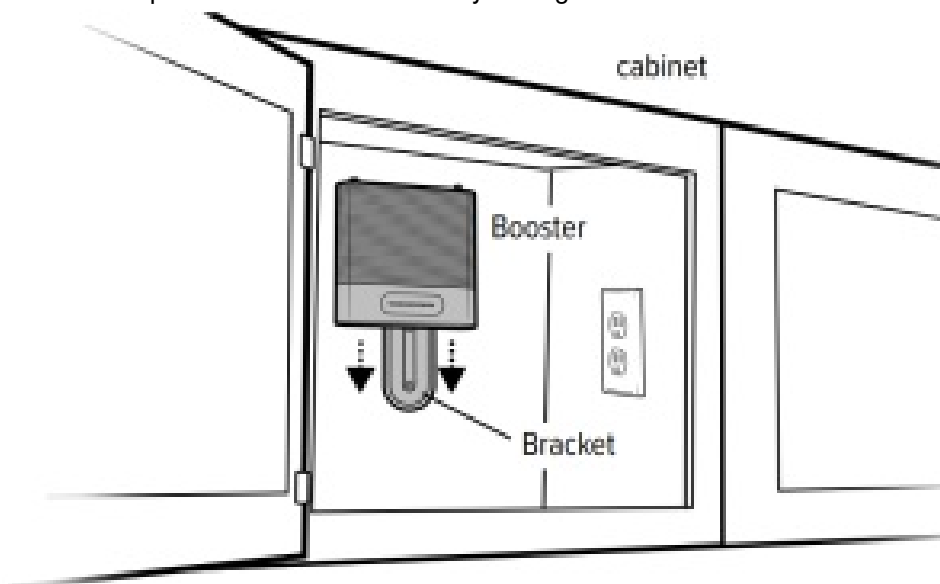
Slide **ground mount** on bottom of pole and firmly attach the upper wall mount to the RV, then **attach the lower wall mount**.

IMPORTANT: Wall mounts must be applied to a clean and smooth surface. Press firmly and let it cure for at least 20 minutes.



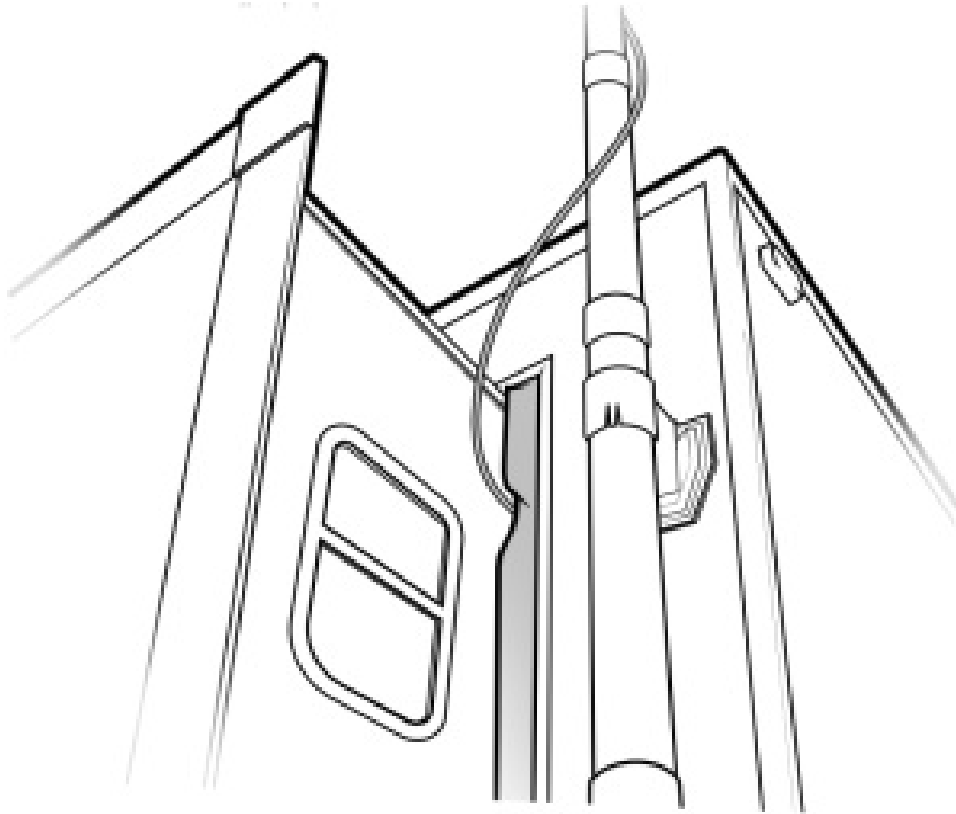
STEP 3 Mount Booster and Route Cable

Find a location to place the booster inside the RV. A cabinet near a power source would be best. Be sure it's in a location that the 9 meter outside antenna coax cable can reach. Use 3M Command™ Strips to secure mounting bracket into place and mount booster by sliding onto bracket.



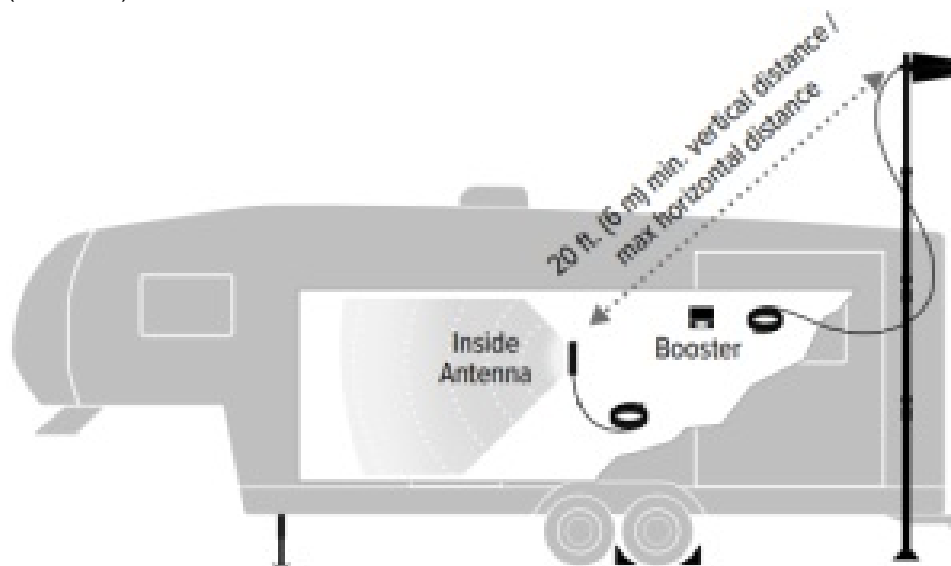
Route the outside antenna cable into the RV. We recommend routing the cable through the slide out gasket or through the back door of a toy hauler (flat entry cable included).

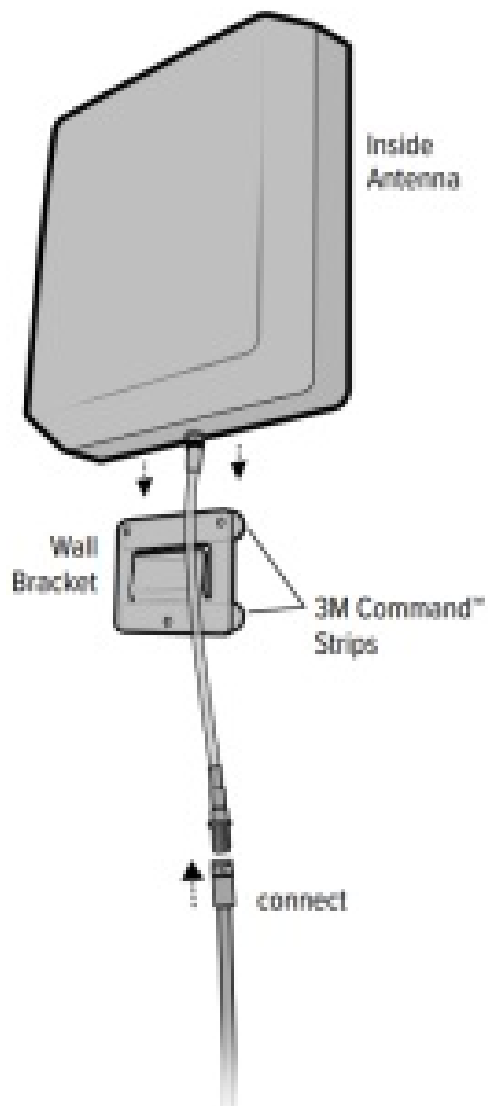
IMPORTANT: Do not fully extend the slide out until the cable is routed all the way through.



STEP 4 Mount Inside Antenna

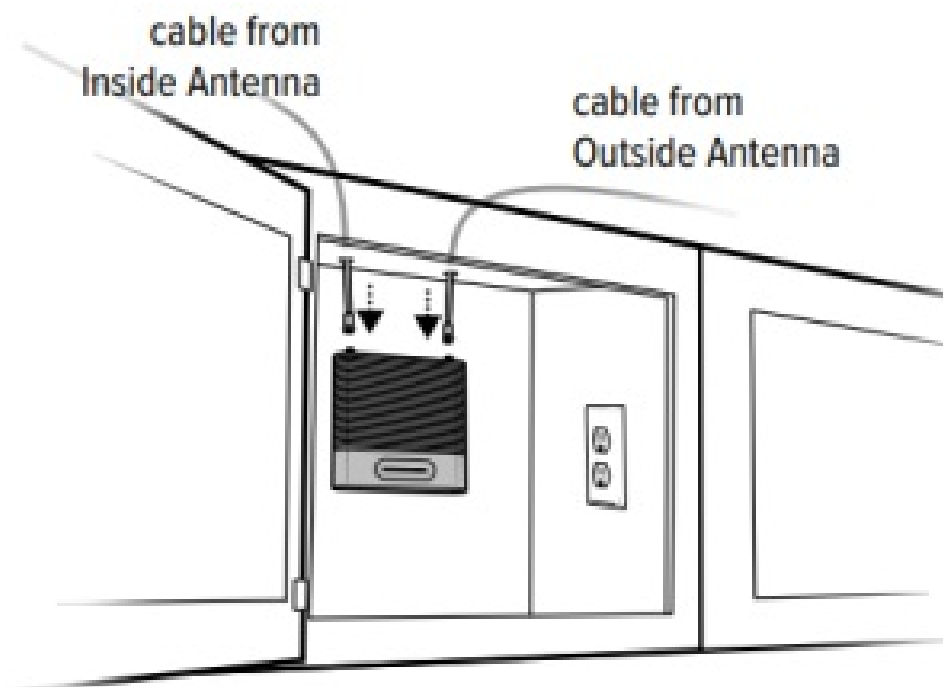
Mount inside antenna using the 3M Command™ Strips and connect coax cable. Be sure to have at least 20 feet (6 meters) vertical distance between the antennas. Then, check that the antennas point away from each other.





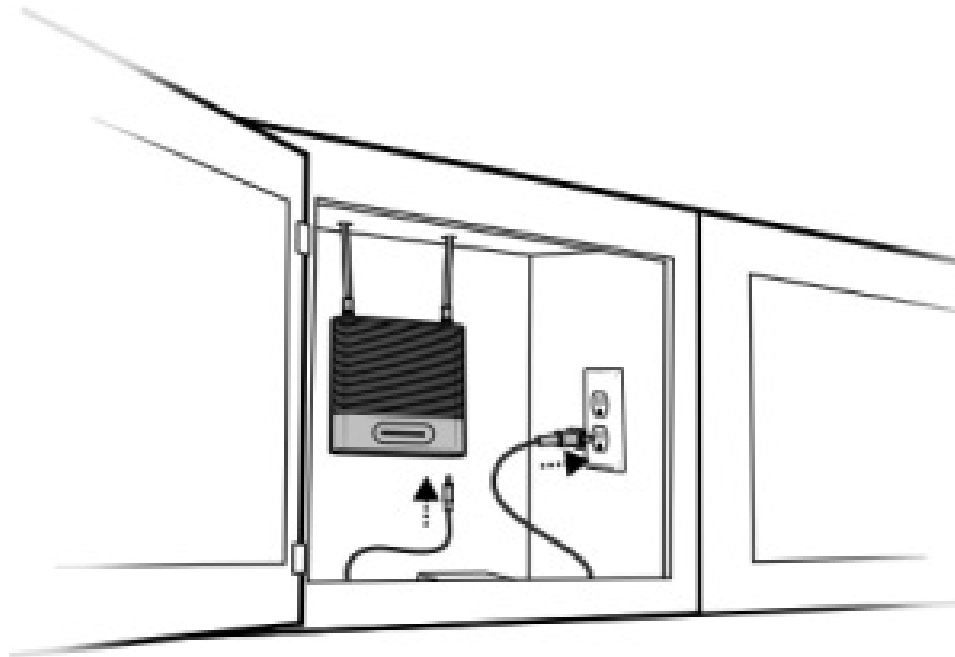
STEP 5 Connect Coax Cables to Booster

Connect the cable from the outside antenna to the port labeled “Outside Antenna” on the booster and connect the cable from the inside antenna to the port labeled “Inside Antenna” on the booster.



STEP 6 Connect Power Supply to Booster

Connect AC power supply to end of booster labeled “”. Plug the power supply into a 120V power outlet in the RV.



Booster Light Patterns

SOLID GREEN

This indicates that the booster is functioning properly, and there are no issues with installation.

SOLID RED

Band has shutoff. This is due to a feedback loop condition called oscillation. This is a built-in safety feature that causes a band to shut off to prevent harmful interference with a nearby cell tower. Refer to Troubleshooting.

BLINKING GREEN & RED

Band has reduced gain. This is due to a feedback loop condition called oscillation. This is a built-in safety feature to prevent harmful interference with a nearby cell tower. If you are already experiencing the desired signal boost, then no further adjustments are necessary. If you are not experiencing the desired boost in coverage, then refer to Troubleshooting.

BLINKING GREEN & YELLOW

Band has reduced gain. This is a built-in safety feature to prevent harmful interference with a nearby cell tower. If you are already experiencing the desired signal boost, then

(Booster Light Patterns cont.)

no further adjustments are necessary. If you are not experiencing the desired boost in coverage, then refer to Troubleshooting.

SOLID YELLOW

Band has shutoff due to overload from nearby cell tower. Outside antenna must be adjusted. Refer to Troubleshooting.

LIGHT OFF

If the signal booster's light is off, confirm that the power supply has power.

Troubleshooting

FIXING ANY RED LIGHT ISSUES

This involves Solid Red & Blinking Green/Red lights

- Verify outside and inside antenna face away from each other. Unplug and replug in power supply.
- Verify the inside antenna is at least 18 inches (45 centimeters) from the booster and pointed away from the booster. Unplug and replug in power supply.
- Tighten all cable connections (be sure to finger tighten only, do NOT use tools). You may want to disconnect and reconnect the connection completely. Unplug and replug in power supply.
- Increase the distance (horizontally or vertically) between the outside and inside antenna. Add included cable if needed. Unplug and replug in power supply.

FIXING ANY YELLOW LIGHT ISSUES

This involves Solid Yellow & Blinking Green/Yellow lights.

- Outside antenna must be adjusted. Wait 10 seconds between adjustments for the lights to reset. Rotate the outside antenna away from the strongest cellular signal in small increments (1/4 turns) until the light turns green. Unplug and replug in power supply

FREQUENTLY ASKED QUESTIONS

How can I contact customer support?

Customer Support can be reached Monday through Friday by calling 866.294.1660, or through our support site at support.weboost.com.

Why do I need to create distance between the inside and outside antenna?

Antennas connected to the booster create spheres of signal. When these spheres overlap, a condition called oscillation occurs. Oscillation can be thought of as noise, which causes the booster to scale down its power or shut down to prevent damage. The best way to keep these spheres of signal from overlapping is to maximize separation distance between the inside and outside antennas.

Safety Guidelines

Use only the power supply provided in this package. Use of a non-weBoost product may damage your equipment. Connecting this signal booster directly to the cell phone with use of an adapter will damage the cell phone.

RF Safety Warning: Any antenna used with this device must be located at least 8 inches (20 centimeters) from all persons.

AWS Warning: The outside antenna must be installed no higher than 31 feet 9 inches (10 meters) above ground

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 be operated **ONLY** in a fixed location (i.e., may operate in a fixed location only) for in-building use.

(Safety Guidelines cont.)

FOR MORE INFORMATION ON REQUIREMENTS SET OUT IN ISED CPC-2-1-05, SEE BELOW:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08942.html>

FOR MORE INFORMATION ON REGISTERING YOUR SIGNAL BOOSTER WITH YOUR WIRELESS PROVIDER, PLEASE SEE BELOW:

T-Mobile/Sprint/MetroPCS:

<https://www.t-mobile.com/support/coverage/register-a-signal-booster>

Verizon Wireless:

<https://www.verizon.com/solutions-and-services/accessories/register-signal-booster/>

AT&T:

<https://securec45.securewebsession.com/attsignalbooster.com/>

UScellular:

<https://www.uscellular.com/support/fcc-booster-registration>

Antenna Info

The following accessories are certified by the FCC to be used with the Destination RV.

This radio transmitter 4726A-460059 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

	BAND 12/1 7	BAND 13	BAND 5	BAND 4	BAND 25/2
Outside Antenna maximum permissible antenna gain (dBi) 50Ω	4.9	4.9	4.5	4.6	4.2
Inside Antenna maximum permissible antenna gain (dBi) 50Ω	3.2	3.2	3.2	2.6	2.7

FIXED INSIDE ANTENNA KIT OPTIONS				
Kit #	Coax Type	Ln(ft) /Ln(m)	Antenna Type	Ω
301211	RG-6	30 / 9	Desktop	75
304419	RG-6	30 / 9	Dome	75
311239	RG-6	30 / 9	Panel	75

FIXED OUTSIDE ANTENNA KIT OPTIONS				
Kit #	Coax Type	Ln(ft) /Ln(m))	Antenna Type	Ω
314445	RG-6	30 / 9	Directional	75
314475	RG-6	30 / 9	Directional	75
304423	RG-6	30 / 9	Omni	75
304421	RG-6	30 / 9	OmniC	75

Specifications

Model	460059				
FCC	PWO460059				
IC	4726A-460059				
Connectors	F-Female				
Antenna Impedence	75 Ohms				
Frequency	698-716 MHz, 729-746 MHz, 746-757 MHz, 776-787 MHz, 824-849 MHz, 869-894 MHz, 1710-1755 MHz, 1850-1915 MHz, 1930-1995 MHz, 2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	700 MHz B12 /17 24.8	700 MHz B13 25.0	800 MHz B5 25.3	1700 MHz B4 25.2	1900 MHz B2 25.1
Power output for single cell phone (Downlink) dBm	12.7	12.2	12.8	12.6	12.8
Noise Figure	5 dB (nominal)				
Isolation	> 110 dB				
Power Requirements	5 VDC				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met. This device complies with Part 15 of FCC rules. This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to 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. Changes or modifications not expressly approved by weBoost could void the authority to operate this equipment.

2-YEAR WARRANTY

weBoost Signal Boosters are warranted for two (2) years against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase. Signal Boosters may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by weBoost. weBoost shall, at its option, either repair or replace the product. This warranty does not apply to any Signal Boosters determined by weBoost to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties. Replacement products may include refurbished weBoost products that have been recertified to conform with product specifications. RMA numbers may be obtained by contacting Customer Support

DISCLAIMER: The information provided by weBoost is believed to be complete and accurate. However, no responsibility is assumed by weBoost for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.



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866.294.1660



<http://www.weboost.com/>

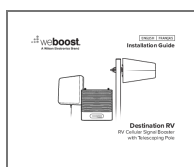


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NOT AFFILIATED WITH WILSON ANTENNA

Documents / Resources



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