

# weboost RV Drive Reach Cell Signal Booster Installation Guide

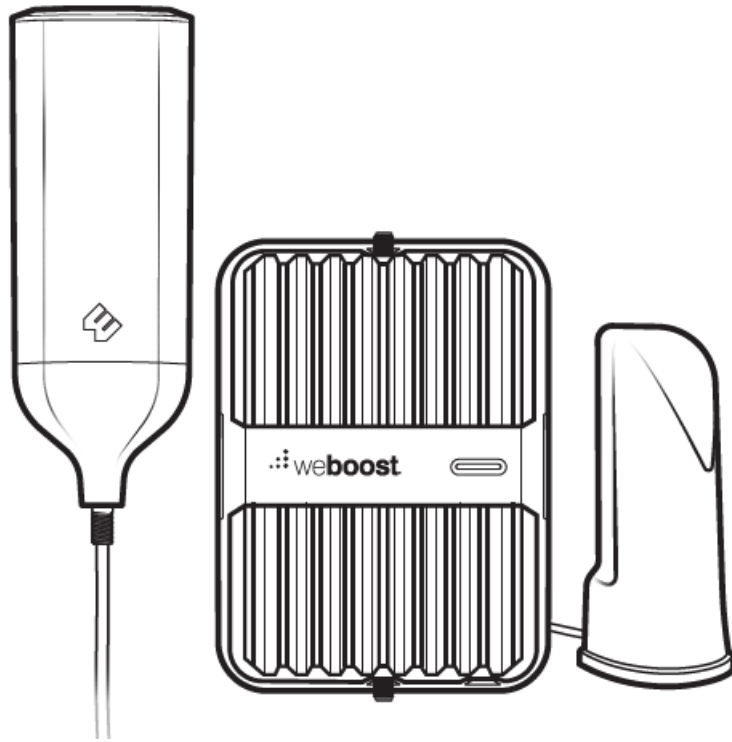
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**weboost RV Drive Reach Cell Signal Booster**



Download the weBoost App Use our app to guide you through setting up a weBoost cell phone signal booster in your home, business, or vehicle. Boost every network, including 5G, right away.

## Package Contents



Drive Reach  
Signal Booster  
& Bracket



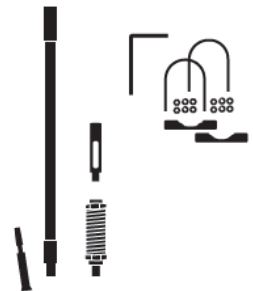
Outside  
Antenna & 25'  
RG-6 Cable



Inside  
Antenna



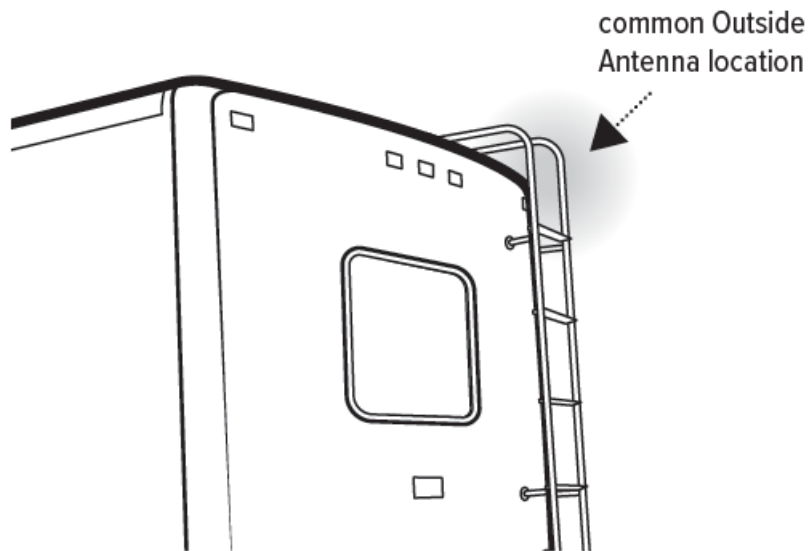
Power  
Supply



13 in. Mast Extension,  
Side-Exit Adapter,  
Spring, L-Bracket  
Mount & Thread  
Lock Pack

## Mount Outside Antenna & Route Cable

Determine where you want the outside antenna on your RV. Mount outside antenna to a ladder or pole so that the entire outside antenna is above the roof line of the RV and clear of other metal obstructions.



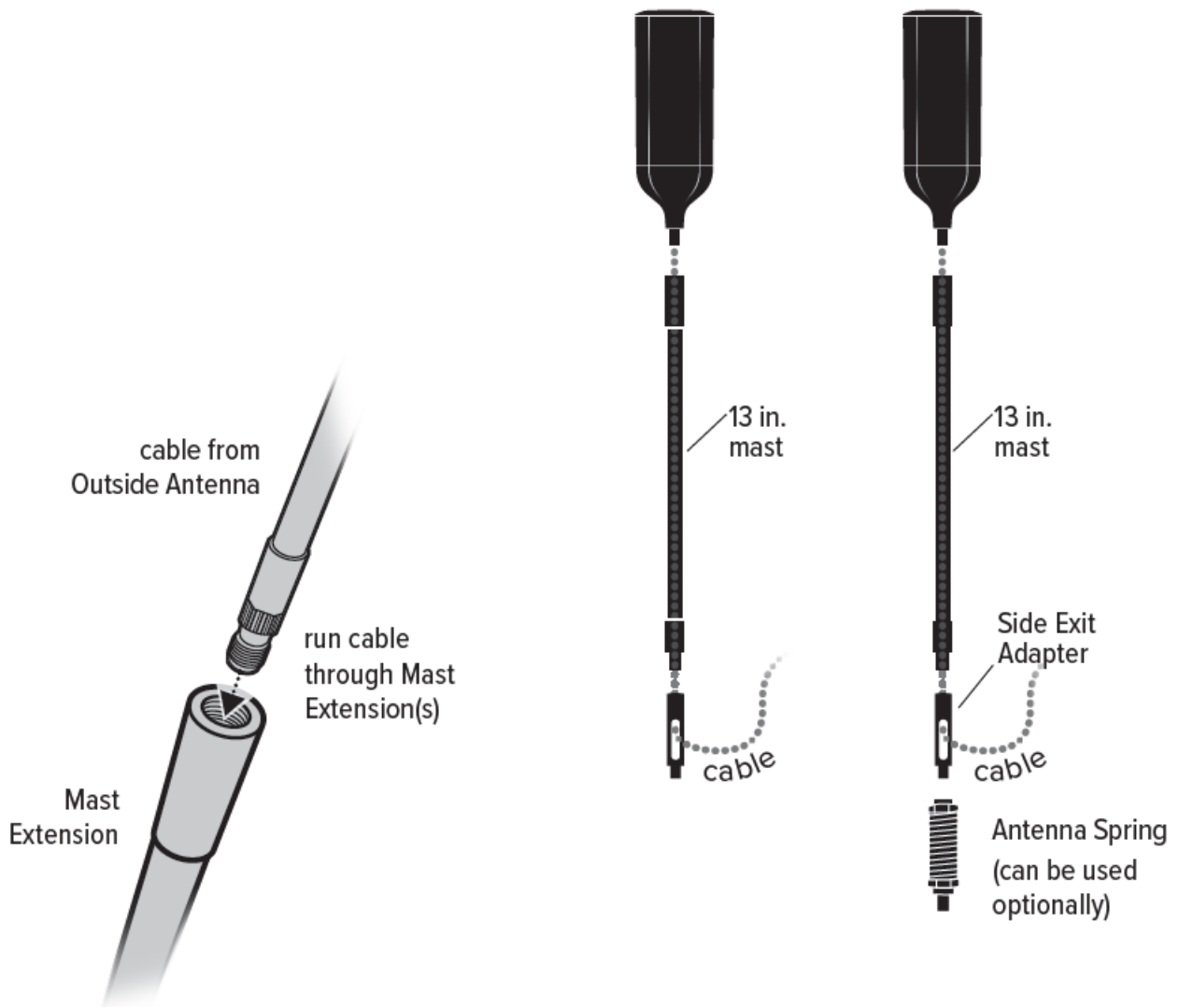
### Important

NOTE: Keep in mind to stay below the maximum height limit allowed by law, which varies from state to state (generally 14 ft. in western states and 13 ft.6 in. in eastern states).



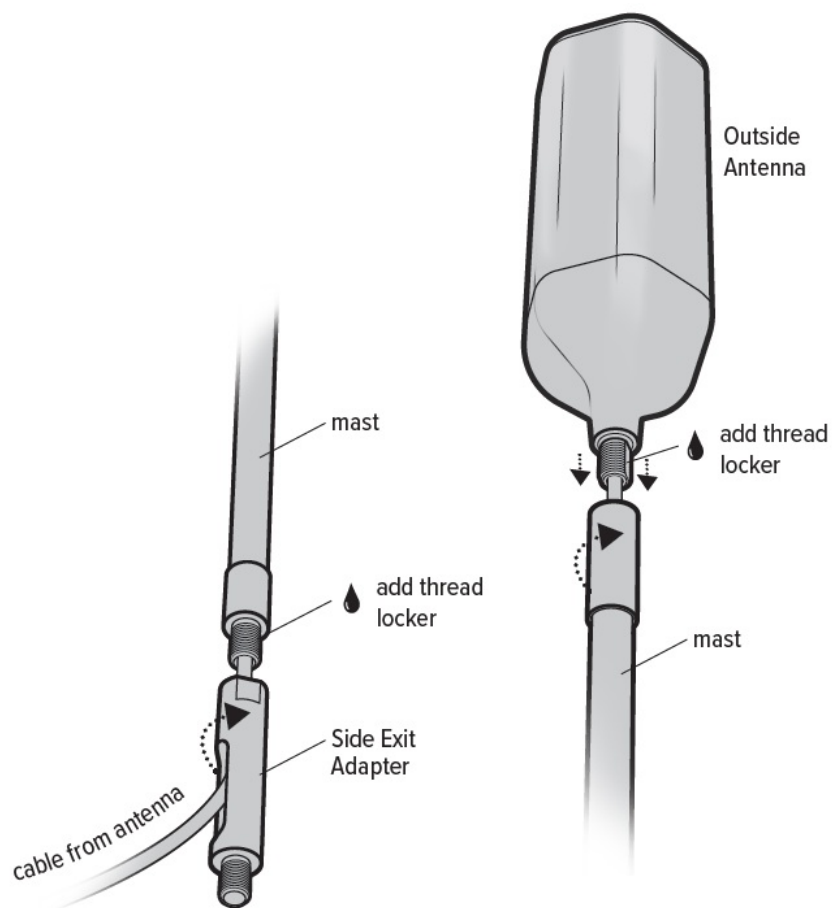
to assemble the outside antenna, insert cable through mast extension then through side exit adapter.

**NOTE:** Antenna spring can be used optionally.



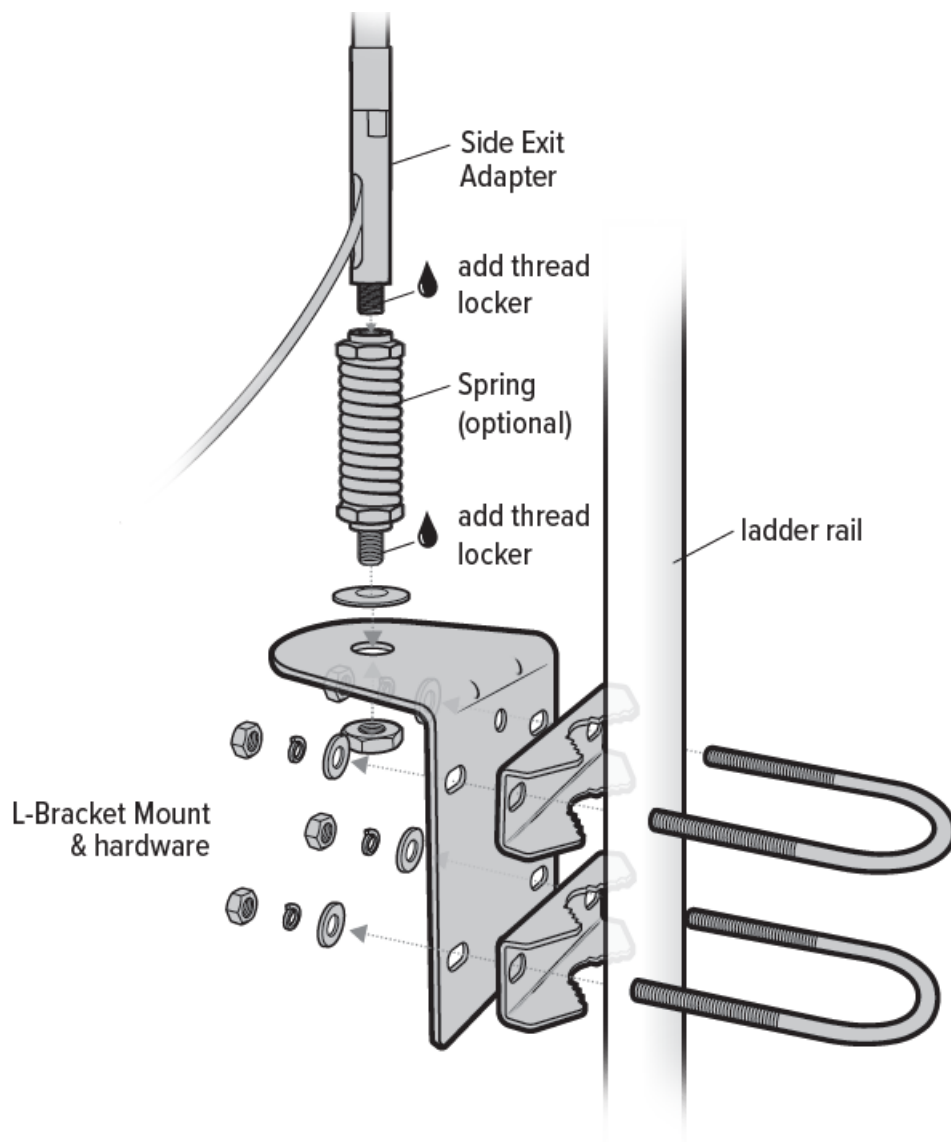
Verify the outside antenna is the correct height, if so, use thread locker (provided) to thread points and screw into place.

**NOTE:** When adding the side exit adapter hold the outside antenna vertically and screw the side exit adapter from the bottom up. This reduces cable twisting.



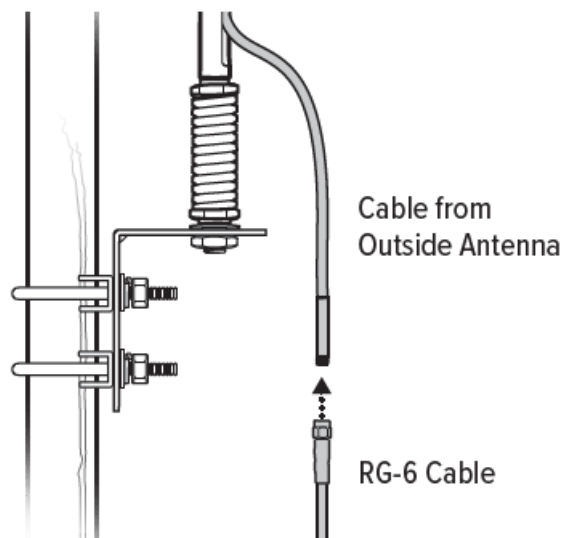
Mount outside antenna. L-bracket mount and hardware is provided to mount to ladder or pole. If installing with spring, the side exit adapter must be used. Then route 25' RG-6 cable from inside RV to outside antenna.

**NOTE:** Outside antenna location must be within reach of the booster with the 25' coax cable. The system performs best with maximum vertical and horizontal separation.



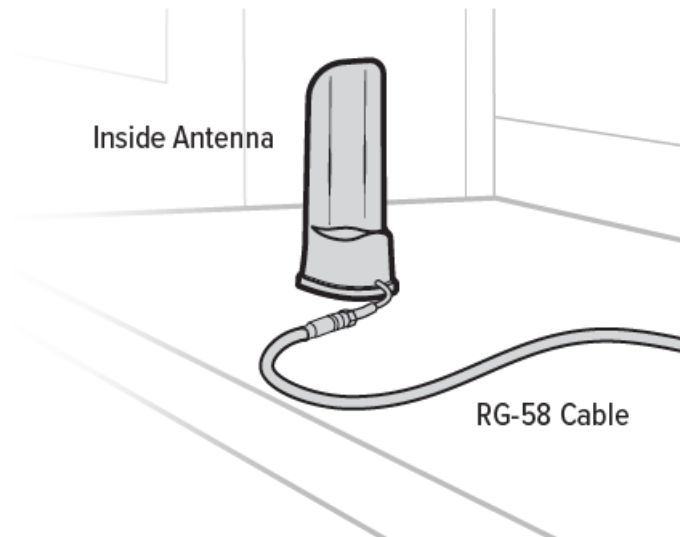
### Connect Cable to Outside Antenna

After routing the RG-6 cable into the RV, connect the cable to the outside antenna.



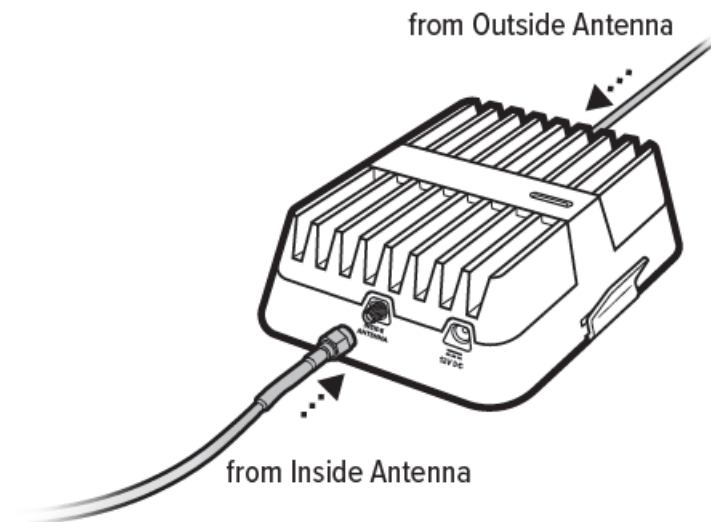
### Inside Antenna Location & Connect Cable

Place inside antenna where stronger signal is desired in the RV.



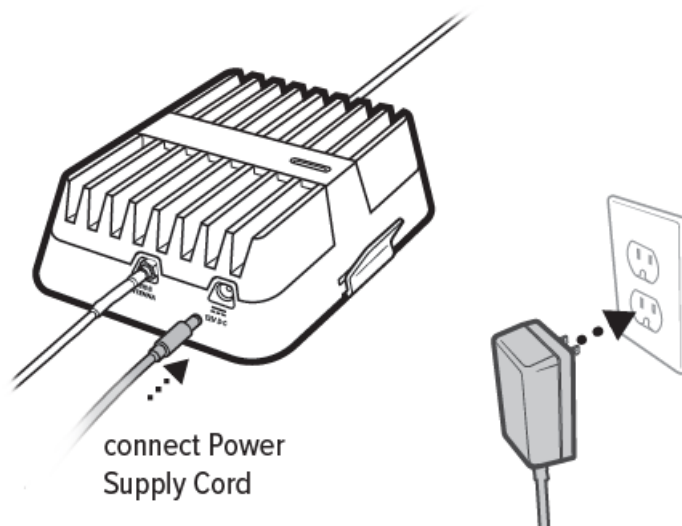
### Booster Location & Connect Cables

Find a location to place the Drive Reach booster and secure it with provided bracket. Connect cable from outside antenna to labeled booster port and connect cable from inside antenna to labeled booster port.



### Connect Power Supply to Booster

Connect the power supply cord to the end of the booster, labeled "12V DC", and connect into a 12V wall plug. Enjoy your boosted signal!



## Booster Light Patterns

### SOLID GREEN

This indicates that your Drive Reach 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 section.

### BLINKING RED, THEN SOLID GREEN

This indicates that one or more of the booster bands has reduced power due to a minor 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 the Troubleshooting section.

### Light Off

If the Drive Reach signal booster's light is off, verify your power supply has power.

**NOTE:** The signal booster can be reset by disconnecting and reconnecting the power supply.

After troubleshooting you must initiate a new power cycle by disconnecting and then reconnecting power to the booster.

## Troubleshooting

### FIXING BLINKING OR RED LIGHT ISSUES

This section is only applicable if the booster is red or blinking red and you are not experiencing the desired signal boost.

1. Unplug the booster's power supply.
2. Relocate the inside and outside antenna further from each other. The objective is to increase the separation distance between them, so that they will not create this feedback condition discussed before.
3. Plug power supply back in.
4. Monitor the indicator light on your booster. If, after a few seconds of 'power on', a solid or blinking red light appears, repeat steps 1 through 3. Increase the separation distance until the condition is corrected and/or desired coverage area is achieved. Note: Horizontal separation of the two antennas typically requires a shorter separation distance than vertical separation.

If you are having any difficulties while testing or installing your booster, contact our weBoost Customer Support team for assistance (1-866-294-1660).

## FREQUENTLY ASKED QUESTIONS

- How can I contact customer support?

Customer Support can be reached Monday thru Friday by calling 1-866-294-1660, or through our support site at [support.weboost.com](http://support.weboost.com).

- Why do I need to create distance between the booster and the antenna?

Antennas connected to a 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 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 from all persons. AWS Warning: The outside antenna must be installed no higher than 10 meters (31'9") above ground.

## Antenna Info

The following accessories are certified by the FCC to be used with the Drive Reach Booster. This radio transmitter 4726A-460061 has been approved by innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum 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.

MOBILE INSIDE ANTENNA KIT OPTIONS				
Kit #	Coax Type	Ln(ft)	Antenna Type	Ω
314401	LMR-100	10	4G Slim Low Profile SMA	50
311160	RG-58	13	Desktop	50

MOBILE OUTSIDE ANTENNA KIT OPTIONS				
Kit #	Coax Type	Ln(ft)	Antenna Type	Ω
311216	LMR-195	10	Mini-Mag SMA	50
311229	RG-58	15	4G Trucker	50
311230	RG-6	25	4G RV OTR	75
314405	RG-58	14	4G NMO	50

## Specifications

<b>Model</b>	460061				
<b>FCC</b>	PWO460061				
<b>IC</b>	4726A-460061				
Connectors	SMA-Female				
Antenna Impedence	50 Ohms				
Frequency	698-716 MHz, 728-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	<b>700 MHz B12 /17</b> 25.4	<b>700 MHz B13</b> 25.6	<b>800 MHz B5</b> 25.6	<b>1700 MHz B4</b> 26.7	<b>1900 MHz B2</b> 26.9
Power output for single cell phone (Downlink) dBm	4.8	4.8	4.8	4.6	4.5
Noise Figure	5 dB (nominal)				
Isolation	> 90 dB				
Power Requirements	12V 1.8A				


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 license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(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. 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

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## Documents / Resources

	<p><a href="#">weboost RV Drive Reach Cell Signal Booster</a> [pdf] Installation Guide</p> <p>RV Drive Reach Cell Signal Booster, Drive Reach Cell Signal Booster, Cell Signal Booster, Signal Booster</p>
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## References

-  [CPC-2-1-05 — Zone Enhancers](#)
-  [FCC Booster Registration | UScellular](#)
-  [weBoost | Cell Phone Signal Boosters for Home, Cars, RVs & More](#)
-  [AT&T Signal Booster](#)
-  [Register a signal booster | T-Mobile Support](#)