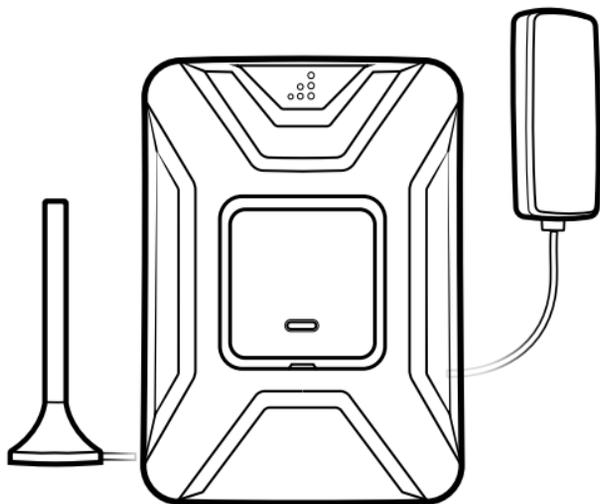


we:boost

Installation Guide



Drive X

Vehicle Cell Signal Booster Kit

Use our **weBoost App** to guide you through the installation. See inside page for more details.

Download the weBoost App

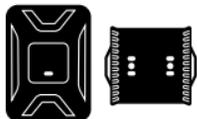
Use our app to guide you through setting up a weBoost cell phone signal booster in your home, business, or vehicle. Boost every network, including 5G, right away.



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Package Contents



Booster
& Bracket



Outside Antenna &
Adhesive Disk
(for use on aluminum
vehicles)

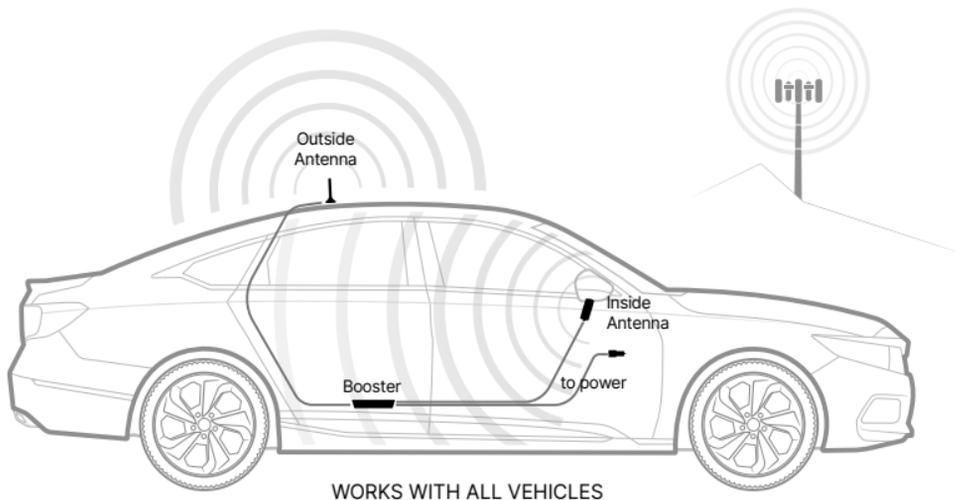


In-Vehicle
Antenna



Power
Supply

Installation Overview



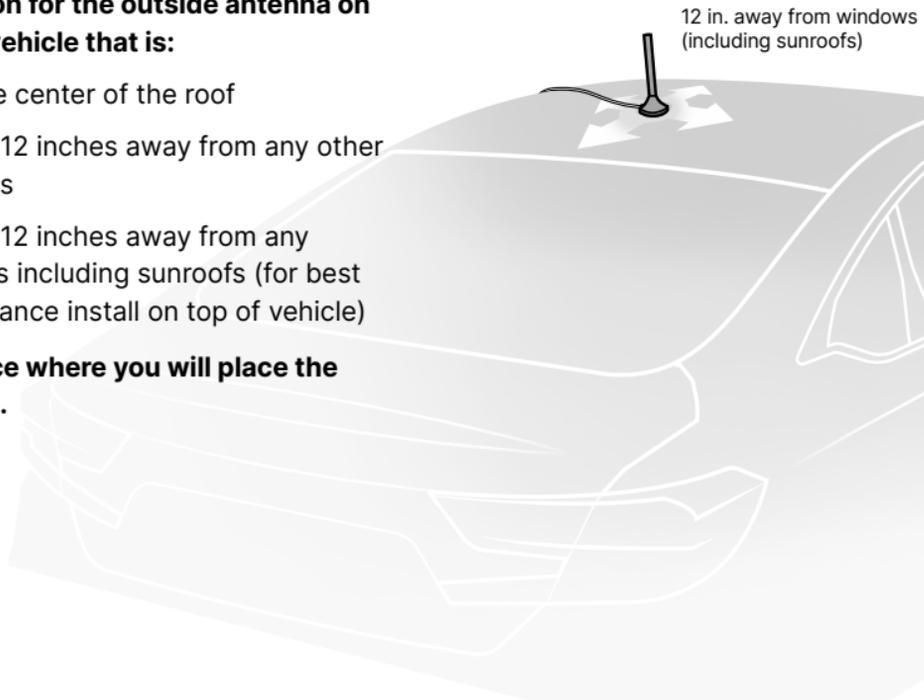
NOTE: For aluminum roofs, an **adhesive disk** is included to mount the outside antenna (do not use if outside antenna will magnetize to the top of your vehicle).

STEP 1 Mount Outside Magnetic Antenna

Identify a location for the outside antenna on the top of your vehicle that is:

- Near the center of the roof
- At least 12 inches away from any other antennas
- At least 12 inches away from any windows including sunroofs (for best performance install on top of vehicle)

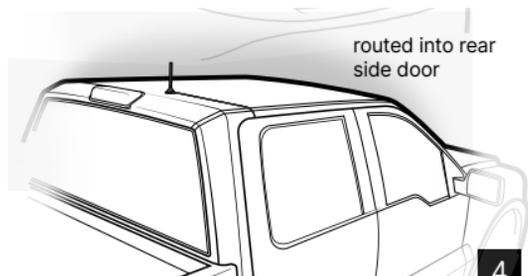
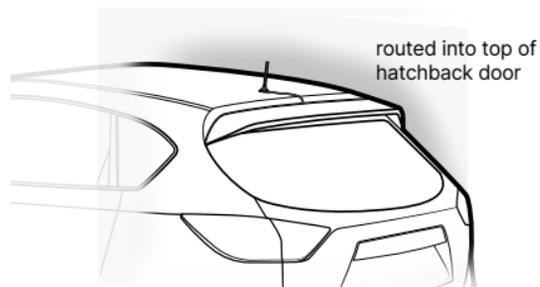
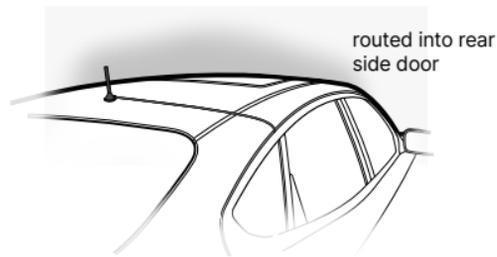
Clean the surface where you will place the outside antenna.



(STEP 1 cont.)

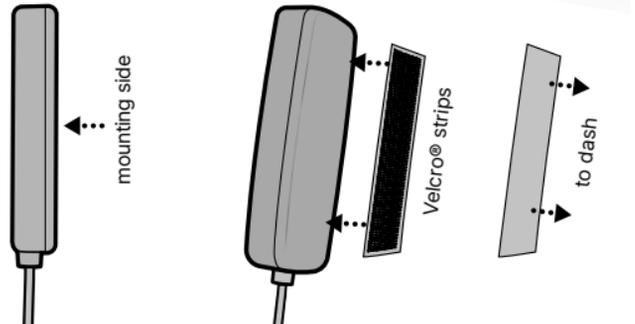
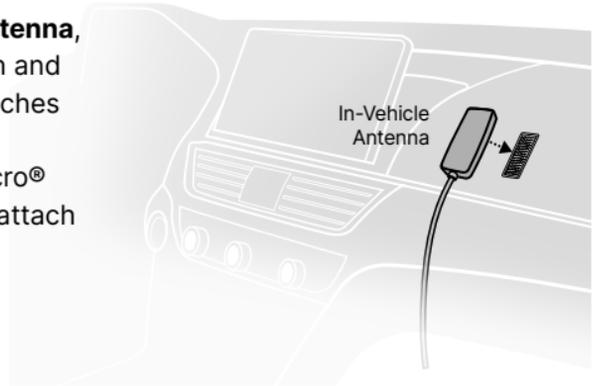
Once the outside antenna is mounted and secured, **route the coax cable into the vehicle**. The coax cable can be routed in different ways depending on your type of vehicle. *The cable is strong enough that it may be shut in most vehicle doors without damage.*

NOTE: When going through a car wash, remember to remove your antenna.



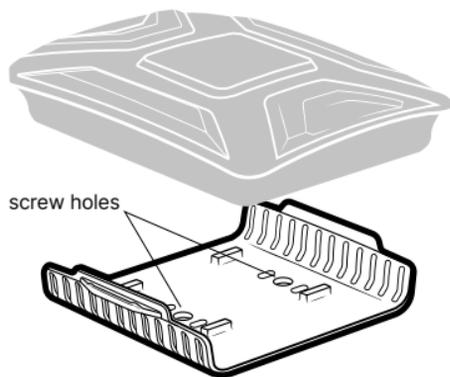
STEP 2 Mounting Inside Antenna

Identify a place to mount the in-vehicle antenna, either on the side of the seat or on the dash and mount. The location should be at least 18 inches but no more than 36 inches from where the cell phone device will be used. Use the Velcro® adhesive strip/adhesive strip provided and attach to desired location.



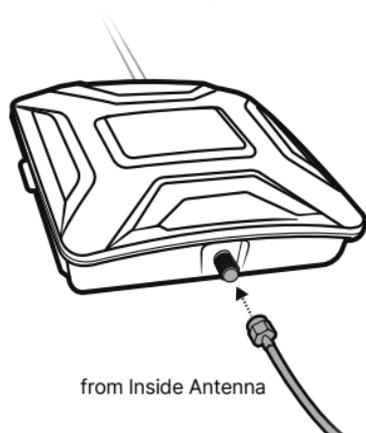
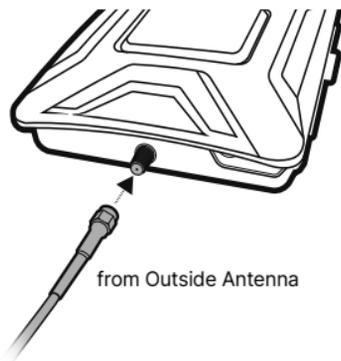
STEP 3 Booster Location & Connect Coax Cables

Find a accessible location to place the booster that has good air flow. The booster includes a mounting bracket that can be secured in a specific location. Behind or under the seat is a good option.



(Booster Location & Connect Coax Cables cont.)

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

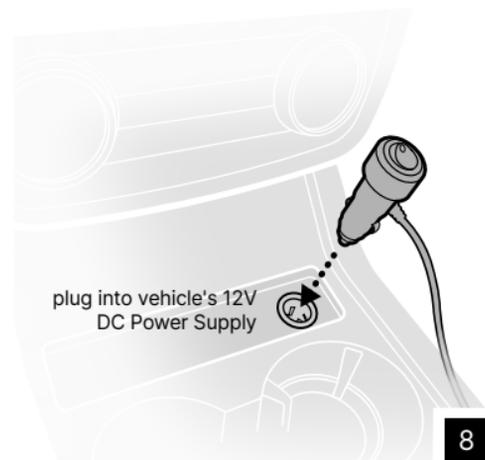
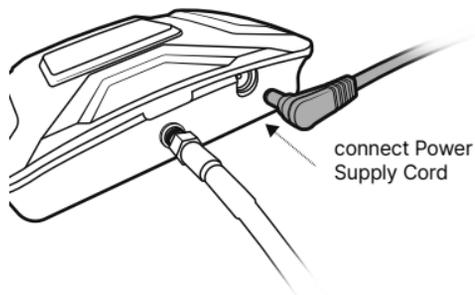


STEP 4 Connect Power Supply to Booster

Connect the power supply cord to the end of the booster, labeled "Power".

NOTE: Do NOT connect the power to the signal booster until you have connected both the inside and outside antennas.

Plug the power adapter into vehicle's 12V DC power supply. Power up your Drive X by flipping the switch on the back of the DC power adapter on. If your Drive X is working correctly, the light on the power adapter will be red, and the light on the booster will be green.



Booster Light Patterns

SOLID GREEN

This indicates that your 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 X signal booster's light is off, verify your power supply has power.

(Booster Light Patterns cont.)

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 light on 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 and ensure switch is in ON position.
- 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).

(Troubleshooting cont.)

FREQUENTLY ASKED QUESTIONS

How can I contact customer support?

Customer Support can be reached Monday through Friday by calling 1-866-294-1660, or through our support site at support.weboost.com.

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

 1-866-294-1660

 www.weboost.com

 support@weboost.com

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.

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.

(Safety Guidelines cont.)

FOR MORE INFORMATION ON REGISTERING YOUR SIGNAL BOOSTER WITH YOUR WIRELESS PROVIDER IN THE U.S., PLEASE GO TO THE LINK BELOW:

<https://www.weboost.com/carrier-registration>

Antenna Info

The following accessories are certified by the FCC to be used with the Drive X Booster.

This radio transmitter 4726A-460021 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.

	BAND 12/17	BAND 13	BAND 5	BAND 4	BAND 25/2
Outside antenna maximum permissible antenna gain (dBi) 50Ω	4.5	4.2	4.6	3.81	4.74
Inside antenna maximum permissible antenna gain (dBi) 50Ω	4.16	4.16	6.09	6.66	9.77

MOBILE INSIDE ANTENNA KIT OPTIONS

Kit #	Coax Type	Ln(ft)	Antenna Type	Ω
314401	LMR-100	10	Low Profile In-Vehicle SMA	50

MOBILE OUTSIDE ANTENNA KIT OPTIONS

Kit #	Coax Type	Ln(ft)	Antenna Type	Ω
311229	RG-58	15	OTR Antenna Truck Edition	50
301126	LMR-100	10	Mini-Mag Antenna SMA	50
314405	RG-58	14	NMO Vehicle Antenna	50
311125	RG-174	12.5	12" Mag Mount	50

Specifications

Drive X Cell Signal Booster					
Model	460021				
FCC	PWO460021				
IC	4726A-460021				
Connectors	SMA-Female				
Antenna Impedance	50 Ohms				
Frequency	699-716 MHz, 729-756 MHz, 777-786 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755 MHz/2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	700 MHz B12/17 24.84	700 MHz B13 24.35	800 MHz B5 23.4	1700 MHz B4 21.3	1900 MHz B2 24.43
Power output for single cell phone (Downlink) dBm	2.87	2.79	2.8	2100 MHz B4 2.0	1.92
Noise Figure	5 dB (nominal)				
Isolation	> 90 dB				
Power Requirements	6 V 2 A				

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 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 warrantied 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.

we:boost



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www.weboost.com



support@weboost.com

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For patents go to: weboost.com/us/patents

NOT AFFILIATED WITH WILSON ANTENNA

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