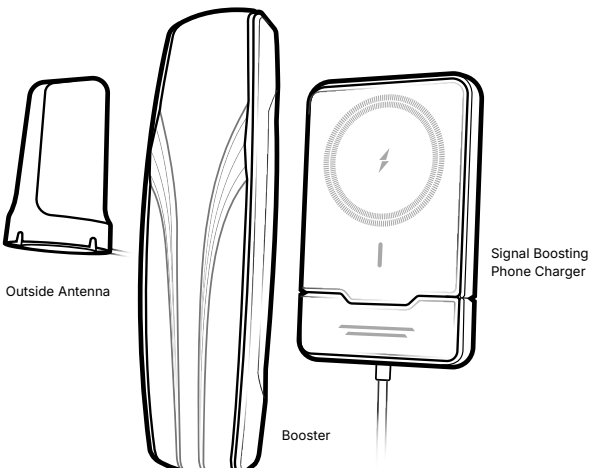
we:boost

Installation Guide



Dash

In-Vehicle Cell
Booster & Charger

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.

Download on the App Store → ← GET IT ON Google Play

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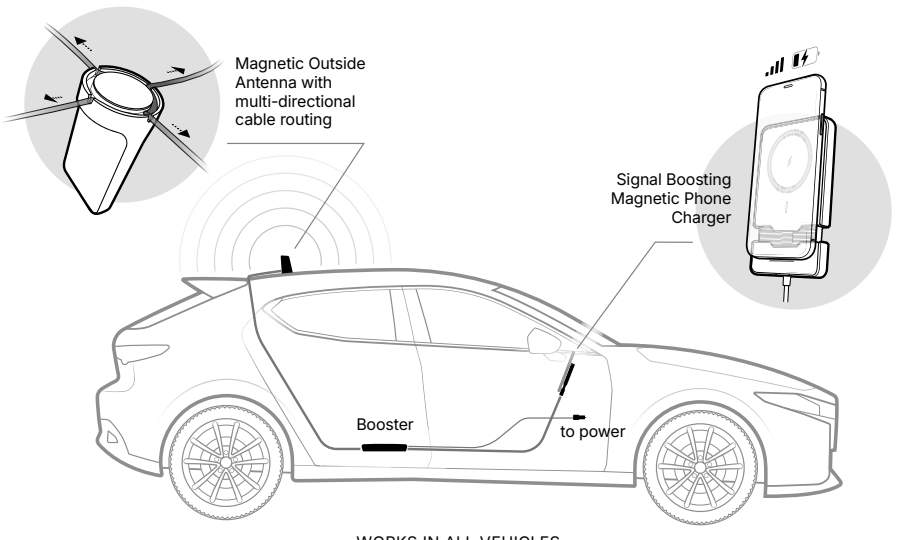
Package Contents

Signal Boosting Magnetic Phone Charger & Metal Adhesive Ring

Signal Booster & Power Supply

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

Installation Overview



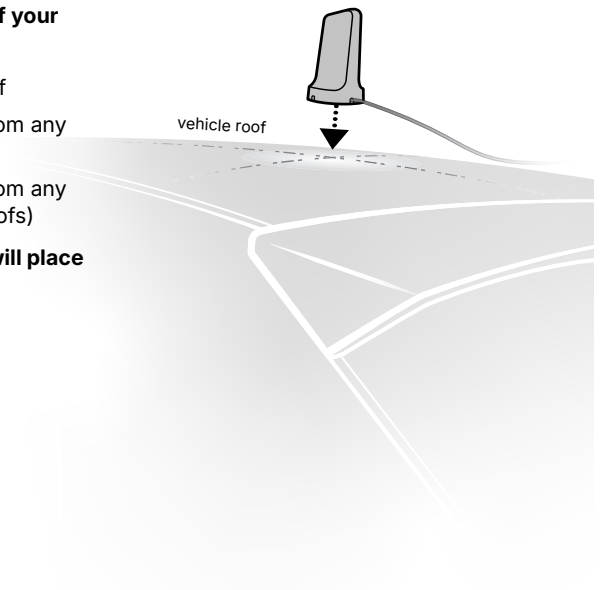
WORKS IN ALL VEHICLES

STEP 1 Mount Outside Antenna

Identify a location 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)

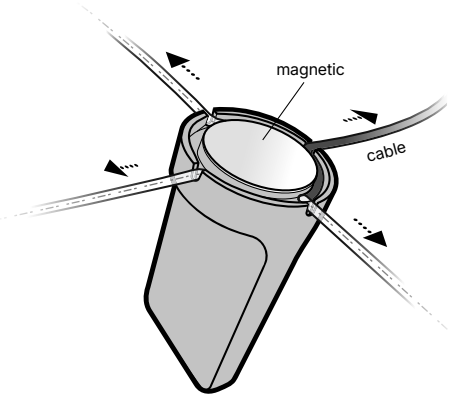
Clean the surface where you will place the outside antenna.



(STEP 1 cont.)

Mount the magnetic outside antenna by placing on top of vehicle. The cable can be routed from any side.

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 cont.)

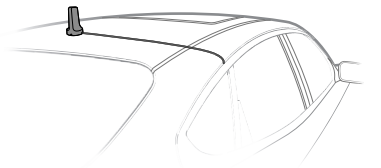
Route the cable into the vehicle. The cable can be routed in multiple ways depending on user preference and it is strong enough that it may be shut in most vehicle doors without damage.

Car/Sedan: Cable routed into rear side door.

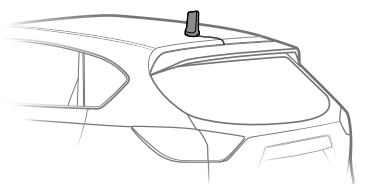
SUV/Van/Hatchback: Cable routed into top of hatchback door.

Truck: Cable routed into side door.

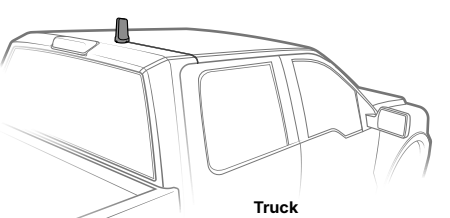
NOTE: When going through a car wash, remember to remove your antenna.



Car/Sedan



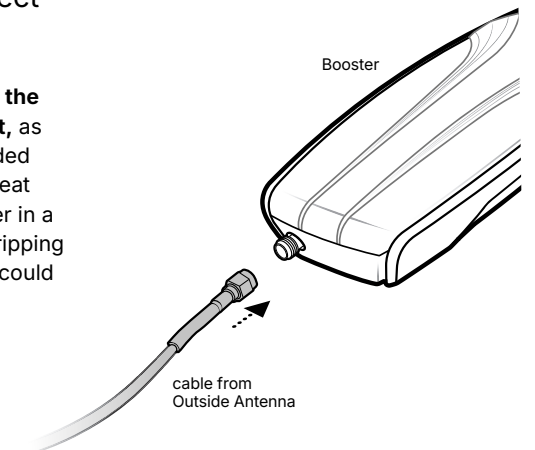
SUV/Van/Hatchback



Truck

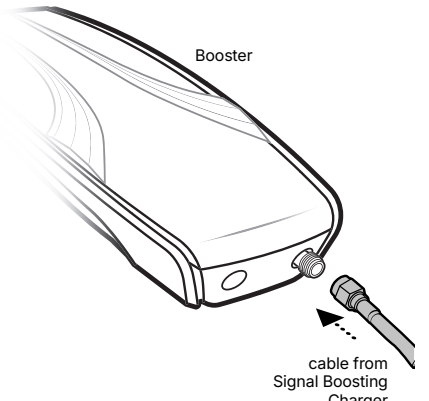
STEP 2 Route Cable & Connect To Booster

Connect the outside antenna cable to the end of booster without the power port, as shown. Hand tighten only. Recommended booster placement would be under a seat or in the trunk. It's best to place booster in a location where the cables won't be a tripping hazard or risk getting snagged, which could damage the booster.



STEP 3 Connect Inside Antenna/ Charging Cable

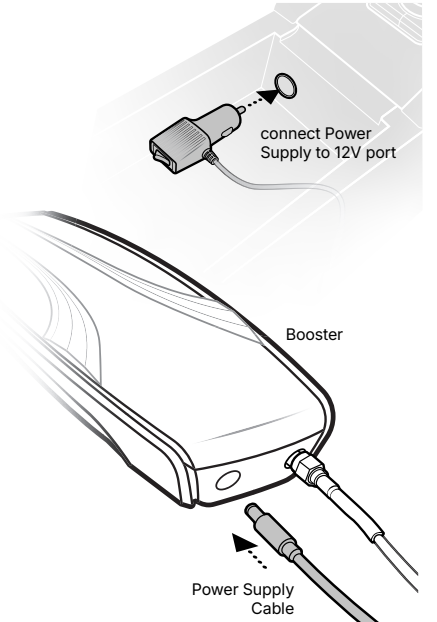
Connect the charger cable to the end of booster with the power port to the booster as shown. Hand tighten only.



STEP 4 Connect Booster To Power

Connect the power supply to the 12V* CLA port in your vehicle and route power cable back to the booster. Connect power cable to booster.

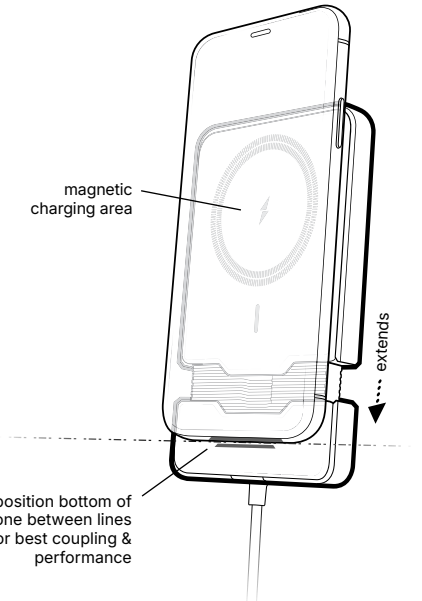
NOTE: The booster will be on whenever there is power from the 12V CLA port. If your vehicle always has power going to this port, you may want to toggle off the power supply when you're not driving so the booster does not drain your battery. *Only 12V ports are supported.



STEP 5 Attach Phone To Signal Boosting Charger

Attach your phone to the magnetic signal boosting charger. Extend the signal boosting charger until the bottom edge of the phone is (centered/positioned) between the **two reference lines at the bottom for best coupling and performance**. Watch your phone charge and your signal increase!

NOTE: If your phone does not support MagSafe or Qi2 magnetic alignment, use the included **magnetic metal ring.** Follow instructions included with the ring.



Measuring Booster Performance

We've created an easy way to learn your signal strength and compare it before and after a booster. **Download our free weBoost app** to get accurate decibel measurements to help you get the best performance from your system.

(Measuring Booster Performance cont.)

Signal Strength (dBm) with weBoost system powered **OFF:** _____
(dBm here)

Signal Strength (dBm) with weBoost system powered **ON:** _____
(dBm here)

Compare Results

Compare the decibels (dBm) on the chart below to find what signal strength you fall into.

Signal Strength	Excellent	Good	Fair	Poor	Dead Zone
3G/1x	-70dBm	-71 to -85dBm	-86 to -100dBm	-101 to -109dBm	-110dBm
4G/LTE	-90dBm	-91 to -105dBm	-106 to -110dBm	-111 to -119dBm	-120dBm

Did you know a signal increase of just 3dB is 2 times the power and signal amplification!

Gain Improvement	Signal Improvement
3dB	**2X**
6dB	**4X**
10dB	**10X**
20dB	**100X**

Troubleshooting

Solid White (LED on charger)

This indicates that your booster is functioning properly and at maximum gain. If the phone is not charging, ensure the charger has power by checking if the LED is ON.

Light Off (LED on charger)

Check/secure power connections to the CLA, booster, and charger. If light shuts off, remove from vehicle port and plug back in to reset the system. For any questions or assistance contact our weBoost Customer Support Team (**1-866-294-1660**).

Dropped Calls

If you are regularly experiencing dropped calls in the same areas, turn off **VoLTE/HD Voice** in your phone's settings.

Safety Guidelines

Use only the Power Supply provided in this package. Use of a non-weBoost product may damage your equipment.

FCC regulations prohibit using the cell phone in the charger next to your ear.

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

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.

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

Antenna Info

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

This radio transmitter 4726A-082 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	4.2	4.2	3.1	3.6	6.1

FIXED INSIDE ANTENNA KIT OPTIONS				
Kit #	**Coax Type**	**Ln(ft)**	**Antenna Type**	**Ω**
ANT000062	TM-302	4	Charger Antenna	50

FIXED OUTSIDE ANTENNA KIT OPTIONS				
Kit #	**Coax Type**	**Ln(ft)**	**Antenna Type**	**Ω**
311216	LMR-100	10	Drive Magnetic Outside Antenna	50
ANT000052	LMR-195	16	OTR Trucker Antenna	50
311703	RG-174A/U	12.5	Magnetic Mount Omni Antenna	50
314405	-	-	NMO Antenna	50

Specifications

Dash Booster					
Model	470082				
FCC	PWO082				
IC	4726A-082				
Frequency	698-716 MHz, 729-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	**700 MHz B12/17** 23	**700 MHz B13** 23	**800 MHz B5** 23	**1700 MHz B4** 23	**1900 MHz B2** 23
Power output for single cell phone (Downlink) dBm	2.5	2.5	2.5	**2100 MHz B4** 2.5	2.5
Noise Figure	5 dB (nominal)				
Power Requirements	12 V 1.5 A / USB 5V 2.1 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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

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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