

A photograph showing a person's hands holding a smartphone in a car. The phone screen displays a map application. The car's interior, including the steering wheel and dashboard, is visible in the background. The image is partially obscured by a white circular graphic in the top right corner.

User's Manual

C27G-CP/5S

Made in HUAITEC

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Thank you for purchasing HiBoost's Easy Vehicle-2S/5S cell phone signal booster kit.

Easy Vehicle-2S/5S can improve the reception signal strength both voice and data service for any vehicle, Easy Vehicle-2S can support all 2G and 3G bands, Easy Vehicle-5S can support all 2G,3G and 4G bands around U.S.

If you need any assistance during product installation please contact our technical support at 972-870-5666 or email us at info@hupatecus.com.

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How it works

HiBoost Easy Vehicle-2S/5S provides a reliable two-way cellular coverage by improving signal strength in any kinds of vehicle where cellular reception is weak or unreliable.

The system amplifies the signal from the nearest cellular tower and retransmits it at a higher power level within the vehicle area. This manual provides simple installation instructions that will make your cellular booster kit set in record time.

Package contents:

- Easy Vehicle-2S/5S 50 dB cell phone booster
- 5 dB magnetic antenna mounting on roof of vehicle
- Patch antenna used for interior of vehicle
- DC power adapter with 6' cable



Easy Vehicle-2S/5S

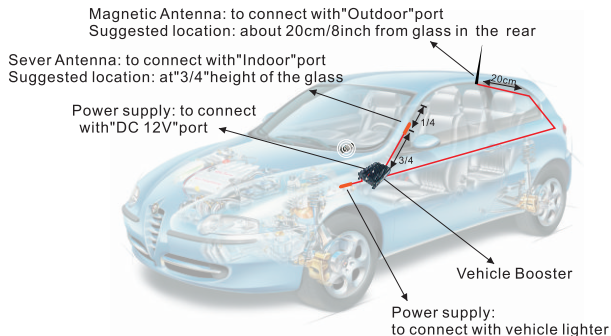
Magnetic antenna

Patch antenna

DC power adapter

How to install

The parts will be installed one at a time before connecting all together. There are 4 installations: outdoor antenna, booster, indoor antenna, and power supply. Afterwards, you will need to connect the outdoor/indoor antenna and the power adapter to the booster.



Outdoor antenna

- Magnetic antenna is adopted. The proposed location is about 20cm or 8inches at the rear of the car. If you have a larger vehicle, try installing at the rear roof.
- The function of outdoor antenna is to receive the signal from the base station, transfer it through the feeder to booster. On the contrary it transmits the signal back to the base station from the booster.

Vehicle booster

- The vehicle booster should be hidden in the corner of the car, near the power supply.
- The booster is a full-duplex amplifier which amplifies the signal both inside and outside the vehicle.

Indoor antenna

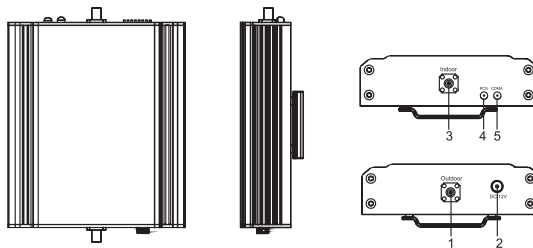
- Small Patch Antenna which has 2dBi gain is adopted. The proposed location is at 3/4 height of the glass which is shown in the installation graph. If your vehicle is larger, the proposed location is where the signal is weak.
- The function of the indoor antenna is to transmit the enlarged signals to mobile phones and also back to the booster.

Power supply

- 12V power supply is adopted. The vehicle charger can also work. The booster can be directly fed by the vehicle's power.

LEDs indication

The following graph shows the ports of C27G-CP, because two bands are supported simultaneously, the panel has 2 alarm indicators. For C27G-5S, the panel has 5 alarm indicators because it supports 5 bands. For each alarm indicator, the status and definition is the same.



1. Connect with outdoor antenna
3. Connect with indoor antenna
5. CDMA alarm indicator

2. Connect with the power supply
4. PCS alarm indicator

Status	Alarm
Green	It is working in linearity.
	Warning: Input signals may be not enough, so please check on coverage effect, do not do anything if it is good; otherwise please check the donor antenna position.
Orange	It is working in linearity. (A little stronger input signals or slight self oscillation have occurred.)
	Solution: Please adjust antennas till find the “edge point” (I.E. the Alarm LED shall stay at green color, with intention of turning Orange), stop immediately when the LED color changes which can provide the best coverage.
Flashing Red	There are strong input signals or severe self oscillation to lead that booster breaks down. Please check the troubleshooting to get solutions.

Specifications

C27G-CP UL Frequency	824-849 / 1850-1910
C27G-CP DL Frequency	869-894 / 1930-1990
C27G-5S UL Frequency	698-716 / 776-787 / 824-849 / 1850-1910 / 1710-1755
C27G-5S DL Frequency	728-746 / 746-757 / 869-894 / 1930-1990 / 2110-2155
C27G-CP Supported	CDMA, WCDMA, GSM, EDGE, HSPA+, EVDO
C27G-CP Supported	CDMA, WCDMA, GSM, EDGE, HSPA+, EVDO, LTE
Max .Gain	50dB
Max .Output Power	C27G-CP 21.6dBm(UL)/3.0dBm(DL)
	C27G-5S 23.2dBm(UL)/4.8dBm(DL)
Automatic Level Control	≥15dB, auto shut off after 15dB
ALC LED	Orange @ ALC 1~5dB, Red @ ALC 15~20dB, Flashing Red @LED off after 5seconds
C27G-CP I/O Port	SMA-Female
C27G-5S I/O Port	SMA-Female
Impedance	50ohm
Environment Conditions	IP40
C27G-CP Dimensions	4.7*5.3*1.4inch / 120*135*34mm
C27G-5S Dimensions	4.7*7.8*1.4inch / 120*198*34mm
C27G-CP/5S Weight	≤5.5Lbs / 2.5Kg
Power Supply	DC12V / 3A

Troubleshooting

Problem	Solution
Why is there still no signal after installing the vehicle booster?	Check if the power supply of the vehicle is off. Also check to make sure all connections are not loose.
The signal is not stable after turning on the booster power.	Check that the outdoor signal is stable.
The Alarm LEDs continue to flash	Check to make sure vehicle is not parked too close to a cell tower.
Signal booster has no power	Check that the booster is turned on and the DC power outlet is plugged into the cigarette lighter adapter.

Warranty and Warning

Warranty

30-Day Money-Back All HiBoost products are protected by a 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, the product may be returned to the reseller with a dated proof of purchase.

3-Year Warranty HiBoost Signal Boosters and kits are warranted for 3 years. Customers can choose to return the Signal Boosters and kits directly to the manufacturer at the purchase expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by HiBoost.


HiBoost will supply two options, repair or replace. HiBoost will take charge of delivery for the consumers located within the continental U.S.


This warranty does not apply to any Signal Boosters or kits determined by HiBoost to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties. Failure to use a surge protected AC Power Strip with at least a 1000 Joule rating will void your warranty.


All HiBoost products that are packaged with other HiBoost accessory products are intended for resale and used as a single use. Such product kits are required to be sold to the end users or subsequent reseller as packaged. RMA numbers may be obtained by contacting Technical Support at 972-870-5666

Warnings

Users must follow the below principles:

 Do not dismantle machine, maintain or displace accessories by you, because in this way, the equipment may be damaged or even get an electric shock.

 Do not open the booster; touch the module of booster, even not to open the cover of module to touch the electronic, the components will be damaged due to electrostatic.

 Please keep away from heating-equipment, because the booster will dissipate heat when it is working. And do not cover booster with anything that influences heat-dissipation.

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.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed least 20 cm (8 inches) from any person.

You **MUST** cease operating this device immediately if requested by the FCC or a 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 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.



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