

# Smart Vehicle Booster KIT

## Installation Manual



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*Note: This installation manual contains important safety and operating information. Please read and follow the instructions in this manual. Failure to do so could be hazardous and result in damage to your vehicle booster.*

## Package Contents

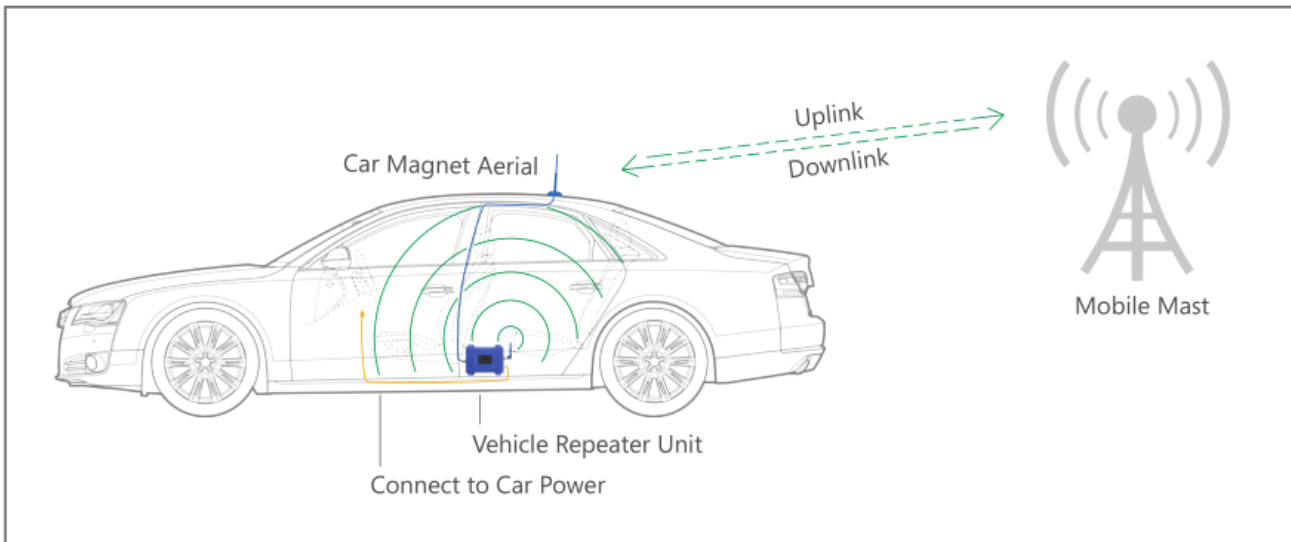
<b>1 x Booster</b>				
Model No.:	SBG918L	SVB921	SVB1800	HiWay 5S

				
1 x Car Magnet Aerial with 5-Meter Cable and N-Male Connector	with N-Male Connector	1 x Car Power Adapter 12Volt 1Amps	1 x Power Supply with Power Cord (Included with Some Kits)	Easy Carrying Bag

## Installation Overview

Here's an overview of how your vehicle booster / amplifier / repeater works.



### Mobile Mast / Base Station

Your mobile phone company broadcasts their signal from a nearby mobile mast. Unfortunately, because of obstructions or interfering signals, you're unable to get a clear connection to the mobile mast while inside your vehicle.

Instead, you use a smart vehicle booster.

### Car Magnet Aerial

The car magnet aerial establishes a link to the nearest mast. It will take the signal and feed it into your vehicle through a coax cable. It will also take the signal from inside your vehicle and broadcast it back to the mobile mast.

### Smart Vehicle Booster / Amplifier/ Repeater Base Unit & Indoor Aerial

The vehicle repeater / booster / amplifier base unit will take the signal it receives from the outdoor aerial and boost the signal. It will then re-broadcast the signal into your vehicle through the indoor whip aerial that attaches directly to the base unit. When the repeater base unit is turned on and installation is complete, you should receive a strong and clear signal on your mobile phone or broadband device.

**Note:**

Do not plug in car power adapter until both aerials are connected to the repeater.

## Install Car Magnet Aerial

To get the best signal receptions, install the car magnet aerial in the center of the roof of the vehicle vertically. Make sure keep the aerial at least 30-cm away from any other antennas or windows.

The coaxial cable could run through the door to the vehicle repeater. You may pull down the door seal carefully and hide the coaxial cable under the door seal or plastic molding in the car.

Run the cable from the car magnet aerial and attach to the connector marked "BTS" on the vehicle repeater.



## Install Whip Aerial

Attach the whip aerial on the connector marked "Mobile" on the vehicle booster.

Place the booster / amplifier / repeater under the front seat and put whip aerial vertically for maximizing the signal strength.



## Connect Car Power Adapter

Plug in the car power adapter to the socket marked "DC12V" on vehicle repeater and insert the large end into vehicle power adapter outlet. The vehicle booster / repeater will automatically turn on after connected to the power.

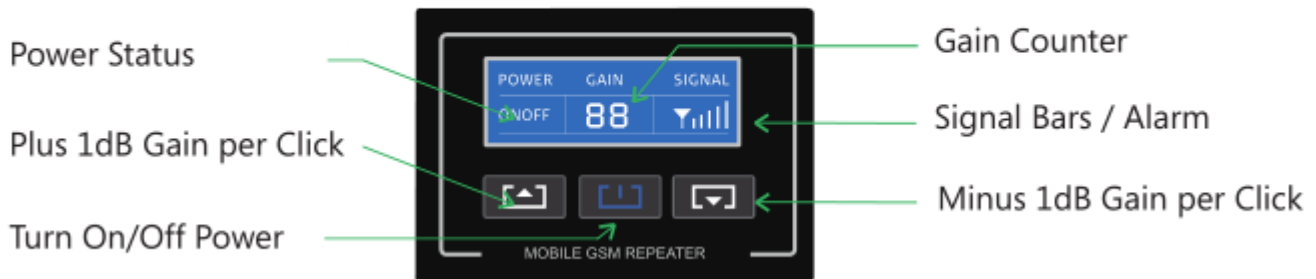
Note: The car power adapter works on 12V car power outlet only.

*Warning: Bending the coaxial cable can result in distortions. Never make sharp bends with the cable and avoid forming loops or links. Do not tamper with the aerial, the repeater or the cable. Don't cut the cable or remove connectors. Any tampering will void your warranty.*

## Configure Vehicle Repeater

### Screen & Controllers of Single-Band Repeater

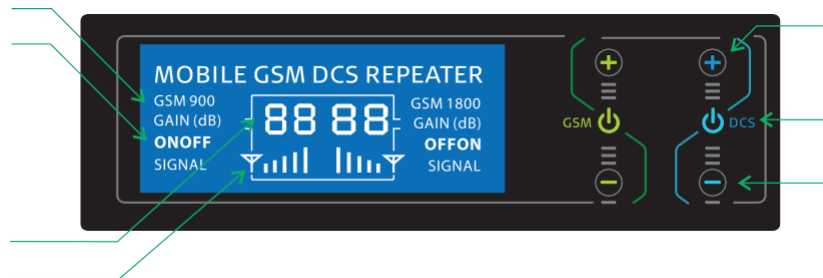
for SVB900 & SVB1800 Etc..



MOBILE GSM REPEATER

### Screen & Controllers of Dual-Band Repeater

for SVB918/ SVB921/SVB1821 Etc...



#### Understand Your Signal Bars

When the repeater receives a signal, it will show the signal strength through solid signal bars. -50dB equal a full signal (five bars) -55dB equals four bars, -60dB equals three bars, 65dB equals two bars and -70dB equals one bar.

If the outside borders of the signal bars blinks, the repeater is not receiving a sufficient signal. Please check cable connections or adjust the car magnet aerial location or move a place.

If the repeater receives a signal better than -45dB, the entire signal bars will blink. It can be caused by oscillation or low proximity to the signal source. Please extend the distance between the repeater and car magnet aerial and/or reduce gain by click the gain controllers.

Most of our solutions are integrative boosters / repeaters, meaning that no extra configuration is required after a proper install. The signal indicators on these repeaters are the green color. If it turns on means receiving a good signal, if it turns off means receiving a weak signal, if it blinks means receiving a signal better than -45dB or in the oscillation condition.

## Troubleshooting

### **My signal goes up and down and calls drop.**

If you're experiencing intermittent signal issues, that's usually caused by oscillation or mobile phone signal is too strong. To fix this issue, move your two aerials farther apart from one another and make sure they are both vertically. You can also reduce the gain by clicking the gain controller marked "-" until the signal bars stopped blinks.

### **My phone doesn't show increased bars.**

Please check the signal bars on your mobile phone has the same frequency as the vehicle repeater. The smart phone usually shows signals bars of 3G or 4G network signal strength in priority. In a phone with four bars, each bar represents about 10 dB in signal strength. Often time's new mobile repeater installations will see vast improvements in phone call quality, without necessarily seeing a boost in bars. Note that the closer you move to the whip aerial, the more likely you are to have higher bars.

### **My signal is weak, but my signal indicators are turns on / or green.**

It usually caused by weak signal at the car magnet aerial. If your car magnet aerial isn't getting a good signal, boosting the signal in the car can have a limited result.

To solve the issue, plus the gain by click "+" gain controller on the vehicle repeater or try move to another location to see if you can get a better signal. Ensure that the aerial is not near with any other antenna or window, connections are tight and also to check cable is not bend.

### **Outlines of signal bars are blinking or indicators are turns off.**

If you see a blinking and colorless outline of your signal bars or indicators are turns off, that means the repeater unit has no input signal. It could be caused by many different issues:

- 1) Your car magnet aerial is defective.
- 2) The coaxial cable isn't securely connected.
- 3) The coaxial cable is defective.
- 4) Your vehicle repeater unit is defective.

If you're experiencing this issue when you're installing your repeater for the first time, double-check all your connections. If the problem persists, contact support.

If you're experiencing this issue after using your vehicle repeater for some time, it's most likely that a part got damaged. For example, lightning damage could short the outside aerial or rodents can chew through coaxial cables. Check the entire line of connection from the aerial to the cable to the vehicle repeater. Make sure nothing is knocked loose or broken. If the problem persists, contact support.

## Money Back Guarantee



Koko Balthazar PTY Ltd T/A SmartBoosters  
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We are proud to offer high-quality products that are guaranteed to increase cell phone signal and extend mobile coverage. If you are not satisfied with the performance quality, we will either offer you a stronger solution or your money back.

All returns must be received within 15 to 30 days of the delivery date depending on the product purchased. To return your product, you must first contact customer service and participate in technical support.

If we are not able to solve your coverage problem you may request a return code, which includes a special returns address along with that authorisation code. Any returns received without that code, outside of 30 days from the original delivery date, or to the wrong address will not be refunded.

Damaged equipment returned even with a return code will be subject to a 20% restocking fee. Orders for pre-cut cable lengths are non-refundable.

Customers are responsible for all shipping charges related to the return delivery. All returns are subject to a 20% restocking fee. Your order will be refunded excluding any discounts & delivery upon receiving the product in its original packaging.

Please note that postage costs for the original order are non-refundable.

To process a return request, please contact customer service at [admin@smartboosters.co.za](mailto:admin@smartboosters.co.za) or call us.

#### Contact Information

Koko Balthazar PTY  
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Johannesburg  
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#### Customer Support Team SmartBoosters South Africa

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## Warranty Details

### 1 Year Limited Manufacturer's Warranty

Most of our products come with a limited manufacturer's warranty valid for one year, but we also offer 2 year and 3 year warranty on premium selected products which you can inquire more about. While under warranty, your product is guaranteed to be free from defects that stem from workmanship or materials.

### Details on the Warranty

Should your mobile repeater unit become non-operational or defective through normal use while under warranty, Mobile Repeater will replace or repair your unit. Your unit may be replaced with a comparable product if the same product is unavailable. Replacement products may be new or refurbished, at Mobile Repeater UK's discretion.

Mobile Repeater will bear the costs of all labor, materials, and parts for repairs and replacements, as well as shipping costs for sending your new replacements. The cost of shipping the repeater unit to Mobile Repeater will be covered by you.

The warranty on the replacement product will end when the warranty on your original product would have ended. Getting a replacement product does not renew the warranty.

### What Does the Warranty Cover?

Your warranty covers:

- Faulty parts.
- Components that are defective out of the box.
- Outside signal aerial
- Main mobile repeater unit
- Coaxial cable.

*Note: The coaxial cable is covered under warranty when it's shipped from the manufacturer. However, any damage from stretching, bending, coiling or kinking that occurs while installing the cable is not covered under warranty.*

### What the Warranty Does Not Cover:

- Damage or accidents caused by the end user. Examples include dropping, hitting, falling or pulling on a cable.
- Water damage of any sort, including damage from steam or humidity.
- Lightning damage to the outdoor aerial.
- Hail damage, windstorms, fires or any other damage caused by extreme weather.
- Damage to roof during installation.
- Unauthorized repairs. Opening your device will void your warranty
- Any modifications of the device.
- Any attempt to enable the product in a country other than the country that the device was designed for. A copy of

the original purchase receipt is required to file a warranty claim.

This limited warranty excludes all consequential and incidental damage, unless prohibited by local laws. This limited warranty is in lieu of all other warranties.