
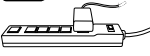



**Sleek<sup>®</sup> 4G**  
**Cellular Signal Booster**  
**460007/460107**

  <p>FAILURE TO DO THIS WILL VOID YOUR WARRANTY IN THE EVENT OF A POWER SURGE OR LIGHTNING STRIKE.</p>	<p>IT IS VERY IMPORTANT TO POWER YOUR SIGNAL BOOSTER USING A SURGE PROTECTED AC POWER STRIP WITH AT LEAST A <b>1000 JOULE RATING</b>.</p>	 <p>THE SIGNAL BOOSTER UNIT IS DESIGNED FOR USE IN AN INDOOR, TEMPERATURE-CONTROLLED ENVIRONMENT (LESS THAN 160 DEGREES FAHRENHEIT). IT IS NOT INTENDED FOR USE IN ATTICS OR SIMILAR LOCATIONS SUBJECT TO TEMPERATURES IN EXCESS OF 150°F.</p>
--	---	---

## Contents

<b>Package Contents</b> .....	2
<b>Installation Options</b> .....	3
Option 1: Vehicle Installation .....	3
Option 2: In-Building Installation .....	4
<b>Adjusting the Sleek 4G Arms</b> .....	5
<b>Troubleshooting</b> .....	5
Understanding the Sleek 4G Lights .....	5
<b>Additional FAQ</b> .....	6
<b>Optional Accessories</b> .....	6
<b>Signal Booster Specifications</b> .....	7
<b>Safety and Recommendations</b> .....	7
<b>Guarantee and Warranty</b> .....	Back Cover

**Sleek® 4G** operates on (Band 12/17, 13) 700 / 800 / AWS (1700 / 2100) / (Band 2) 1900 MHz  
 Model #460007 FCC: PWO460007

FCC requires to never use the cell phone in the cradle next to your ear.

### Inside this Package



Sleek 4G®



Mini-Magnet Mount Antenna  
(301126)



DC Plug-In Power Supply  
& USB cable  
(859910)



Vehicle Dash  
Adhesive  
Mounting Bracket



Adjustable Arms

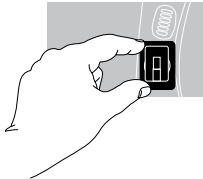
Appearance of device and accessories may vary.



## Installation Options

### Option 1: Vehicle Installation

1. Attach the Mounting Bracket to the vehicle's dashboard.
  - Clean the area where the bracket is to be mounted with the alcohol wipe included. Allow the area to dry.
  - Peel the backing to expose the adhesive and press the bracket onto the desired location on the dashboard. **NOTE:** Be sure the tab is positioned vertically.

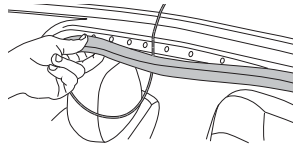


- Allow the adhesive to cure for 24 hours before you attach the Sleek 4G (Step 4).
2. Install the Outside Antenna. Select a location on top of the car that is:
    - Near the center of the vehicle's roof.
    - At least 12 inches from any other antennas.
    - Free of obstructions.
    - At least 6 inches from any windows (including sunroofs).



- At least 8 inches from any people.
- The Outside Antenna must be installed vertically.

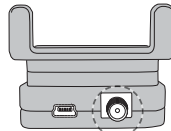
3. Run the Outside Antenna cable into the car. The cable is strong enough that it may be shut in most vehicle doors without damaging the cable. For a cleaner look, carefully pull down the door seal, run the cable under the seal, and push the seal back into place. This method reduces wear on the cable as the door opens and closes.



4. Attach the Sleek 4G to the Mounting Bracket. After waiting 24 hours for the adhesive on the bracket to cure, attach the Sleek 4G by aligning the rectangular hole on the back of the Sleek 4G with the tab on the Mounting Bracket, grasping the sides of the Sleek 4G, and sliding it downward approximately  $\frac{1}{4}$  inch into place. The Mounting Bracket is designed to swivel for more convenient viewing angles. Once the Sleek 4G is in place, you can adjust the angle of the bracket by loosening the knurled nut, applying gentle pressure to the top or bottom of the Sleek 4G, and then tightening the nut when the desired angle is achieved.



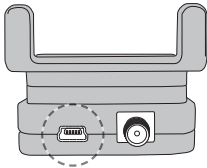
5. Attach the antenna to the Sleek 4G. Connect the cable from the Outside Antenna to the antenna connector on the bottom of the Sleek 4G. Do NOT plug in the power supply (next step) until the Outside Antenna cable is connected to the Sleek 4G.



**Note:** The Sleek 4G has a convenient USB charging port located on the right side of your booster. This port allows for charging your phone or device, using your existing cable.



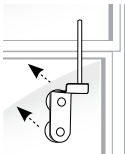
- Power up your Sleek 4G. Connect the power cable to the mini-USB port on the bottom of the Sleek 4G. Then insert the adapter into the vehicle 12V DC power source. Use only the supplied Wilson Electronics power supply. While the Sleek 4G may remain on, leaving the Sleek 4G on in a vehicle when it is not running may discharge the battery in a day or two. Also note that some 12V DC power sources are shut down when the vehicle ignition is turned off. Use a Bluetooth headset, wired hands-free device or speakerphone for talking on the phone.



## Option 2: In-Building Installation

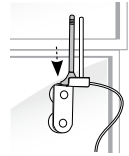
**Note:** Home Office Accessory Kit sold separately

- Install the Outside Antenna to a window. For best results:
  - Select a window on the side of the building where you get the strongest cell signal.
  - Attach the suction cup bracket (sold separately) to the inside of a window so the cable will reach the location of the Mounting Bracket and Sleek 4G. Place the bracket as high on the window as possible.



**NOTE:** Many newer energy efficient dual pane windows use a metal coating that may decrease the strength of a cellular signal, reducing the effectiveness of the Sleek 4G. If you have dual pane windows, consider a Wilson Electronics signal boost product that provides an option for mounting an antenna on an outside wall or roof of a building.

- With the bracket in place, attach the magnet base of the antenna to the flat surface of the bracket. The antenna must be mounted vertically for the best signal.

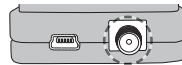


- Install the Mounting Bracket and Sleek 4G.



Put your Sleek 4G in the Mounting Bracket (see instructions under Vehicle Installation) and place it in a convenient location such as a desk or table top in the room where you will use the phone. The location should be at least three feet from the Outside Antenna to avoid oscillation (feedback). Your cell phone must be in the cradle for the Sleek 4G to amplify the signal. Use a Bluetooth headset, wired hands-free device or speakerphone for talking on the phone.

- Attach the antenna to the Sleek 4G. Connect the cable from the Outside Antenna to the antenna connector on the bottom of the Sleek 4G. Do NOT plug in the power supply (next step) until the Outside Antenna cable is connected to the Sleek 4G.



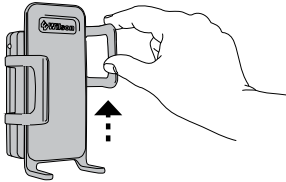
- Power up your Sleek. Connect the power cable to the mini-USB port on the bottom of the Sleek. Then insert the adapter into the AC power supply (859969), sold separately. Use only the supplied Wilson Electronics power supply.



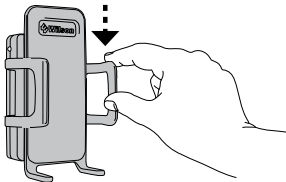
## Adjusting the Sleek 4G Arms

Various sized arms are included with your Sleek 4G. These provide you with options to customize the Sleek 4G to fit virtually any cell phone.

- To change arms, gently lift the arm upward until the arm slides free from the Sleek 4G.



- To reposition arms, move the arm above a different slot on the Sleek 4G and gently slide the arm down until the arm is firmly in place.



- If using a DC power supply in your vehicle, ensure the power supply is properly inserted. Then check the 12 volt power from the car socket and the fuse. Replace the fuse if necessary.
- If using a power strip in a building, ensure the power strip is plugged in and turned on and that power is coming from the outlet.

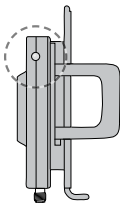
**Red light:** An red light indicates the Sleek 4G has powered down to protect the cell tower. Separation between the Sleek 4G and the Outside Antenna is important to prevent oscillation (feedback), similar to when a microphone is too close to a speaker. When oscillation occurs, the Sleek 4G shuts down in order to prevent interference in the cell tower.

If the light is red, move the Outside Antenna farther away from the Sleek 4G. On a vehicle, that usually means moving it farther toward the back of the car. Remember to keep the antenna at least 6 inches from any window or sunroof.

## Troubleshooting

### Understanding the Sleek 4G Lights

The light on the side of the Sleek 4G indicates whether the system is working or if there are problems. Take the following steps based on the indicator light color when using the Sleek 4G.



**Light off:** If the light is not on:

- Check connections on the power supply to see that it is firmly plugged into both the Sleek 4G and the power source.

### Understanding the Sleek 4G Light

In an office, move the location of the Sleek 4G farther from the window where the antenna is mounted. Once you have separated the Outside Antenna and the Sleek 4G, reset the Sleek 4G by disconnecting the power and then reconnecting the power supply. If the light is green, the Sleek 4G is working properly. If the amber light is still on, move the Outside Antenna farther away and repeat the process.

**Green light:** A green light indicates the Sleek 4G is working properly.



## Additional FAQ:

### What hours can I contact tech support?

Technical Support can be reached from 7:00am MST to 6:00pm MST, by calling (866-294-1660), or by email, at [tech@wilsonelectronics.com](mailto:tech@wilsonelectronics.com)

### How does weather affect the performance of my Outside Antenna?

Water vapor (e.g. rain, fog, snow or other precipitation) creates an effective filter to cellular signal. In times of heavy precipitation, you may see less performance.

### What's the difference between the 800 MHz and the 1900 MHz bands? How do I know which MHz band my cell phone uses?

The Sleek 4G works with all major North American cellular providers on the 850 & 1900 MHz frequencies. Traditionally, 850/1900MHz are associated with voice and 3G data; while 700MHz and 1700/2100MHz are associated with 4G data. For more detail see below.

### United States Carrier Frequency Use

We recommend visiting [www.wirelessadvisor.com](http://www.wirelessadvisor.com) for information regarding the frequency band used by your cell service provider in a specific geographical location.

## Optional Accessories



\* All 3 available together in the Home Accessory Kit - 859970  
Carrying case included

(included in some kits)

### Mobile Antennas

Appearance of device and accessories may vary. (This product is not marketed by Verizon Wireless or AT&T).

#### Mini-Mag

- 301126 w/ 12.5 RG174 cable- SMA
- 301113 w/ 12.5 RG174 cable - FME

Kit 311112-5810

- 800/1900 NMO antenna
- 10' RG58 cable

Kit 311129-5830

- 800 MHz Yagi Antenna
- 30' RG58 Cable

Kit 314473-0640

- 75 Ohm Pole Mount Panel Antenna
- 40' RG6 Cable

#### 12" Mag Mount w/ 12.5' RG174

- 311103
- 311125
- 311128
- 311703
- 314202

Kit 314203-5810

- 800/900/1900 NMO antenna
- 10' RG58 cable

Kit 314411-40075

- 50 Ohm Wide Band Directional
- 75' LMR400 Cable

Kit 314475-0630

- 75 Ohm Wide Band Directional
- 30' RG6 Cable

#### Trucker antenna w/10.5' RG58

- 311101
- 311701

#### NMO Antenna's w/ LMR400

Kit 311104-40015

- 800/1900 NMO antenna
- 15' LMR400 cable

Kit 311203-40020

- Omni-Directional antenna
- 20' LMR400 Cable

Kit 311141-0620

- 75 Ohm Grey Brick Antenna
- 20' RG6 Cable

#### Trucker antenna w/13.5' RG58

- 311119
- 311133

Kit 311112-40015

- 800/1900 NMO antenna
- 15' LMR400 cable

Kit 301111-400170

- Yagi Directional w/ N-Female
- 170' LMR400

Kit 301111-11440

- Yagi Directional Antenna
- 140' RG11 Cable

#### NMO Antenna's w/ RG174

- Kit 311104-17410
- 800/1900 NMO antenna
- 10' RG174 cable

Kit 314203-40015

- 800/900/1900 NMO antenna
- 15' LMR400 cable

Kit 314453-40075

- 50 Ohm Pole Mount Panel Antenna
- 75' LMR400 Cable

Kit 311124-11110

- 1900 MHz Yagi Directional
- 110' RG11 Cable

Kit 311112-17410

- 800/1900 NMO antenna
- 10' RG174 cable

#### Outside Fixed Antennas

##### 50 Ohm Outside Antenna Kits

- Kit 314453-5825
- 50 Ohm Pole Mount Panel Antenna
- 25' RG58 Cable

##### 75 Ohm Outside Antenna Kits

- Kit 301111-0675
- Yagi Directional Antenna
- 75' RG6 Cable

Kit 311129-1190

- 800 MHz Yagi Directional
- 80' RG11 Cable

Kit 314203-17410

- 800/900/1900 NMO antenna
- 10' RG174 cable

Kit 314411-5825

- 50 Ohm Wide Band Directional
- 25' RG58 Cable

Kit 311201-0620

- Omni Directional w/ F-Female
- 20' RG6 Cable

Kit 314473-1175

- 75 Ohm Pole Mount Panel Antenna
- 75' RG11 Cable

#### Marine Antenna

- Kit 311130-5810
- Marine Antenna
- 10' RG58 cable

Kit 301111-5850

- Yagi Directional Antenna
- 50' RG58 Cable

Kit 311201-0620

- Omni Directional w/ F-Female
- 20' RG6 Cable

Kit 314475-1175

- 75 Ohm Wide Band Directional
- 75' RG11 Cable

#### Glass Mount w/14' RG58 cable

- 311102
- 311114 ( Mini Glass Mount)

Kit 311124-5840

- 190 MHz Yagi Directional
- 40' RG58 Cable

Kit 311129-0660

- 800 MHz Yagi Directional
- 80' RG6 Cable

Kit 311141-1120

- 75 Ohm Grey Brick Antenna
- 20' RG11 Cable

#### NMO Antenna's w/ RG58

- Kit 311104-5810
- 800/1900 NMO antenna
- 10' RG58 cable

Kit 311203-5820







- Omni-Directional antenna
- 20' RG58 Cable

Kit 311129-0650

- 800 MHz Yagi Directional
- 50' RG6 Cable



## Safety and Recommendations

-  **WARNING:** Connecting the Signal Booster directly to the cell phone with use of an adapter will damage the cell phone.
-  **WARNING:** Use only the power supply provided in this package. Use of a non-Wilson Electronics product may damage your equipment.
-  **WARNING:** To uphold compliance with network protection standards, all active wireless devices must maintain at least 18" of separation distance from mobile inside antennas, 4' of separation distance from desktop antennas and 6' of separation distance from Panel and Dome antennas.
-  **WARNING:** The Signal Booster unit is designed for use in an indoor, temperature-controlled environment (less than 150 degrees Fahrenheit). It is not intended for use in attics or similar locations subject to temperatures in excess of that range.
-  **RF SAFETY WARNING:** Any antenna used with this device must be located at least 8 inches from all persons. The FCC requires that a cell phone with cradle attached may only be used with the cradle mounted as illustrated in this installation guide. A cell phone held near the ear must be without the cradle attached.
-  **WARNING:** The Outside Antenna must be installed no higher than 10 meters (32'9") 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.

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 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 FCC rules. Operation is subject to 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. Changes or modifications not expressly approved by Wilson Electronics could void the authority to operate this equipment.



### 30-Day Money-Back Guarantee

All Wilson Electronics products are protected by Wilson Electronics 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

### 2-Year Warranty

Wilson Electronics 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 Wilson Electronics. Wilson Electronics shall, at its option, either repair or replace the product. Wilson Electronics will pay for delivery of the repaired or replaced product back to the original consumer if located within the continental U.S.

This warranty does not apply to any Signal Boosters determined by Wilson Electronics 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.

RMA numbers may be obtained by contacting Technical Support at 866-294-1660.

## Signal Booster Specifications

		Sleek 4G				
<b>Model Number</b>		460007				
<b>Connectors</b>		SMA-Female				
<b>Antenna Impedance</b>		50 Ohms				
<b>Frequency</b>		698-746 MHz, 746-787 MHz, 824-894 MHz, 1850-1990 MHz, 1710-1755/2110-2155 MHz				
<b>Power output for single cell phone (dBm)</b>		<b>700 MHz Band 12</b>	<b>700 MHz Band 13</b>	<b>800 MHz</b>	<b>1900 MHz</b>	<b>1700 MHz</b>
	Uplink	24.4	23.1	24.9	22.7	22.0
<b>Power output for single cell phone (dBm)</b>		<b>700 MHz Band 12</b>	<b>700 MHz Band 13</b>	<b>800 MHz</b>	<b>1900 MHz</b>	<b>2100 MHz</b>
	Downlink	-26.0	-27.8	-27.3	-26.8	-28.6
<b>Noise Figure (typical downlink/uplink)</b>		3 dB nominal				
<b>Isolation</b>		> 40 dB				
<b>Power Requirements</b>		5.5 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 after 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.

**Disclaimer:** The information provided by Wilson Electronics, LLC is believed to be complete and accurate. However, no responsibility is assumed by Wilson Electronics, LLC 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.

Copyright © 2014 Wilson Electronics, LLC All rights reserved.

U.S. Patent Nos – 7,221,967; 7,729,669; 7,486,929; 7,409,186; 7,783,318; 8,583,034; 8,583,033



3301 East Deseret Drive, St. George, UT 84790  
web: [www.WilsonElectronics.com](http://www.WilsonElectronics.com) | email: [tech@wilsonelectronics.com](mailto:tech@wilsonelectronics.com)  
phone: 866-294-1660 | local: 435-673-5021 | fax: 435-656-2432  
You