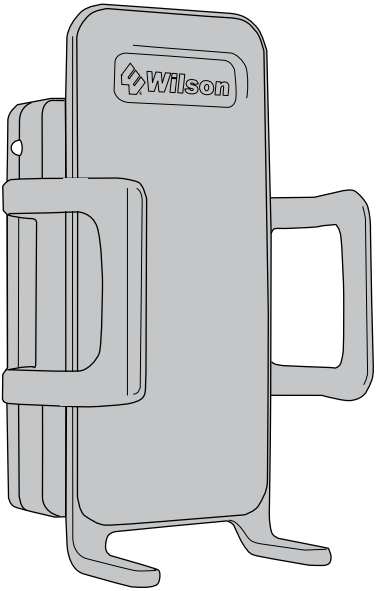
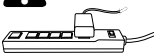
Wilson Electronics



Sleek®

Cellular Signal Booster

460006/460106



IT IS VERY IMPORTANT TO POWER YOUR SIGNAL BOOSTER USING A SURGE PROTECTED AC POWER STRIP WITH AT LEAST A **1000 JOULE RATING.**

FAILURE TO DO THIS WILL VOID YOUR WARRANTY IN THE EVENT OF A POWER SURGE OR LIGHTNING STRIKE.

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 150°F.

Contents

Sleek® 800 / 1900 MHz
Model #460006 FCC: PWO460006

Inside this Package

Sleek®

Mini-Magnet Mount Antenna **(301126)**

DC Plug-In Power Supply & USB cable **(859963)**

Vehicle Dash Adhesive Mounting Bracket

Adjustable Arms

Optional Accessories

AC Power Supply ***(859969)**

Antenna Window Mount (Used with Mini-Magnet Mount Antenna) ***(901128)**

Adjustable Desk Mount ***(901137)**

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

Mobile Power Supply **(859984)**

Gooseneck Suction Cup Cradle Mount **(901120)**

Cup Holder Cradle Mount **(901130)**

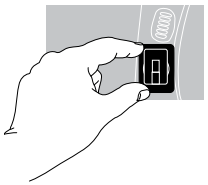
Vehicle Dash Mounting Kit
-Rugged/Screw Mount-
-Adhesive Mount-
-Vent Clip Mount-
(901134)
(included in some kits)

Appearance of device and accessories may vary.

Installation Options

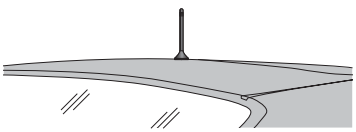
Vehicle Installation Option

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.

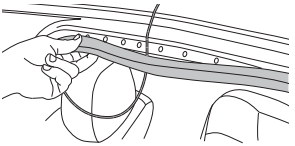


   - Allow the adhesive to cure for 24 hours before you attach the Sleek (Step 4).
2. Install the Outside Antenna. Select a location on top of the car that is:
   - Near the center of the vehicle's roof.
   - At least 12 inches from any other antennas.
   - Free of obstructions.
   - At least 6 inches from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

   The Outside Antenna must be installed vertically.

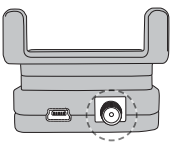


3. Run the Outside Antenna cable into the car. The cable is strong enough that it may be shut in most vehicle doors without damaging the cable. For a cleaner look, carefully pull down the door seal, run the cable under the seal, and push the seal back into place. This method reduces wear on the cable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



4. Attach the Sleek to the Mounting Bracket. After waiting 24 hours for the adhesive on the bracket to cure, attach the Sleek by aligning the rectangular hole on the back of the Sleek with the tab on the Mounting Bracket, grasping the sides of the Sleek, and sliding it downward approximately ¼ inch into place.
   The Mounting Bracket is designed to swivel for more convenient viewing angles. Once the Sleek 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, and then tightening the nut when the desired angle is achieved.

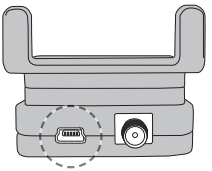
5. Attach the antenna to the Sleek. Connect the cable from the Outside Antenna to the antenna connector on the bottom of the Sleek. Do NOT plug in the power supply (next step) until the Outside Antenna cable is connected to the Sleek.



   Note: The Sleek has a convenient mini-USB charging port located on the right side of your booster. This port allows for charging your phone or device. Wilson offers several cables for this purpose

   - 859966, mini-USB to mini-USB
   - 859979, mini-USB to iPhone (up to 4S)
   - 859967, mini-USB to micro-USB

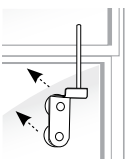
6. Power up your Sleek. Connect the power cable to the mini-USB port on the bottom of the Sleek. Then insert the adapter into the vehicle 12V DC power source. Use only the supplied Wilson Electronics power supply. While the Sleek may remain on, leaving the Sleek on in a vehicle when it is not running 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 to off. Use a Bluetooth headset, wired hands-free device or speakerphone for talking on the phone.



In-Building Installation Option

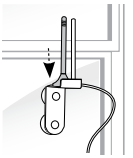
Note: Home Office Accessory Kit sold separately

1. 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. Place the bracket as high on the window as possible.



NOTE: Many modern energy efficient dual pane windows use a metal coating that may decrease the strength of a cellular signal, reducing the effectiveness of the Sleek. 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.

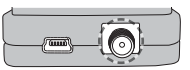
   - With the bracket in place, attach the magnet base of the antenna to the flat surface of the bracket. The antenna must be mounted vertically for the best signal.



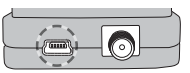
2. Install the Mounting Bracket and Sleek.

Put your Sleek 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 to amplify the signal. Use a Bluetooth headset, wired hands-free device or speakerphone for talking on the phone.

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



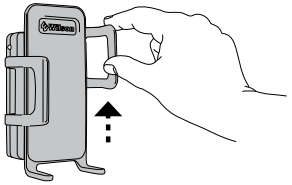
4. Power up your Sleek. Connect the power cable to the mini-USB port on the bottom of the Sleek. Then insert the adapter into the AC power supply (859969), sold separately. Use only the supplied Wilson Electronics power supply.



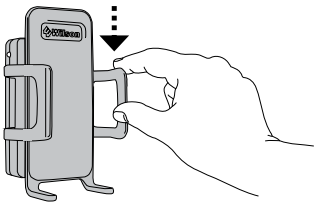
Adjusting the Sleek Arms

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

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

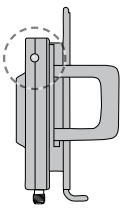


- To reposition arms, move the arm above a different slot on the Sleek and gently slide the arm down until the arm is firmly in place.



Troubleshooting & Understanding the Light

The light on the side of the Sleek 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.



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 and the power source.
- 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 has powered down to protect the cell tower. Separation between the Sleek 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 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. 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.

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

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

Additional FAQ:

What hours can I contact tech support?

Technical Support can be reached from 7:00am to 6:00pm MST by calling (866-294-1660), or by email, at 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 works with all major North American cellular providers on the 800 & 1900 MHz frequencies. Traditionally, 800/1900MHz 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 for information regarding the frequency band used by your cell service provider in a specific geographical location.

Mobile Antennas

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

12" Mag Mount w/ 12.5' RG174
- 311103
- 311125
- 311128
- 311703
- 314202

Trucker antenna w/10.5' RG58
- 311101
- 311701

Trucker antenna w/13.5' RG58
- 311119
- 311133

NMO Antenna's w/ RG174

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

Kit 311112-17410
- 800/1900 NMO antenna
- 10' RG174 cable

Kit 314203-17410
- 800/900/1900 NMO antenna
- 10' RG174 cable

Marine Antenna

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

Glass Mount w/14' RG58 cable
- 311102
- 311114 (Mini Glass Mount)

NMO Antenna's w/ RG58

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

Kit 311112-5810
- 800/1900 NMO antenna
- 10' RG58 cable

Kit 314203-5810
- 800/900/1900 NMO antenna
- 10' RG58 cable

NMO Antenna's w/ LMR400

Kit 311104-40015
- 800/1900 NMO antenna
- 15' LMR400 cable

Kit 311112-40015
- 800/1900 NMO antenna
- 15' LMR400 cable

Kit 314203-40015
- 800/900/1900 NMO antenna
- 15' LMR400 cable

Outside Fixed Antennas

50 Ohm Outside Antenna Kits

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

Kit 314411-5825
- 50 Ohm Wide Band Directional
- 25' RG58 Cable

Kit 301111-5850
- Yagi Directional Antenna
- 50' RG58 Cable

Kit 311124-5840
- 1900 MHz Yagi Directional
- 40' RG58 Cable

Kit 311203-5820
- Omni-Directional antenna
- 20' RG58 Cable

Kit 311129-5830
- 800 MHz Yagi Antenna
- 30' RG58 Cable

Kit 314411-40075
- 50 Ohm Wide Band Directional
- 75' LMR400 Cable

Kit 311203-40020
- Omni-Directional antenna
- 20' LMR400 Cable

Kit 301111-400170
- Yagi Directional w/ N-Female
- 170' LMR400

Kit 311124-400100
- 1900 MHz Yagi Directional
- 100' LMR400 Cable

Kit 311129-400100
- 800 MHz Yagi Antenna
- 100' LMR400 Cable

Kit 314453-40075
- 50 Ohm Pole Mount Panel Antenna
- 75' LMR400 Cable

75 Ohm Outside Antenna Kits

Kit 301111-0675
- Yagi Directional Antenna
- 75' RG6 Cable
- N-Male to F-Female adapter

Kit 311201-0620
- Omni Directional w/ F-Female
- 20' RG6 Cable

Kit 311124-0660
- 1900 MHz Yagi Directional
- 60' RG6 Cable
- N-Male to F-Female adapter

Kit 311129-0650
- 800 MHz Yagi Directional
- 50' RG6 Cable
- N-Male to F-Female adapter

Kit 314473-0640
- 75 Ohm Pole Mount Panel Antenna
- 40' RG6 Cable

Kit 314475-0630
- 75 Ohm Wide Band Directional
- 30' RG6 Cable

Kit 311141-0620
- 75 Ohm Grey Brick Antenna
- 20' RG6 Cable

Kit 301111-11140
- Yagi Directional Antenna
- 140' RG11 Cable
- N-Male to F-Female adapter

Kit 311201-1120
- Omni Directional w/ F-Female
- 20' RG11 Cable

Kit 311124-11110
- 1900 MHz Yagi Directional
- 110' RG11 Cable
- N-Male to F-Female adapter

Kit 311129-1180
- 800 MHz Yagi Directional
- 80' RG11 Cable
- N-Male to F-Female adapter

Kit 314473-1175
- 75 Ohm Pole Mount Panel Antenna
- 75' RG11 Cable

Kit 314475-1175
- 75 Ohm Wide Band Directional
- 75' RG11 Cable

Kit 311141-1120
- 75 Ohm Grey Brick Antenna
- 20' RG11 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.

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	
Model Number	460006	
Connectors	SMA-Female	
Antenna Impedance	50 Ohms	
Frequency	824-894 MHz/1850-1990 MHz	
[3]**Power output for single cell phone (dBm)**	**800 MHz**	**1900 MHz**
Uplink	22.9	25.2
Downlink	-28.0	-29.1
Noise Figure (typical downlink/uplink)	3 dB nominal	
Isolation	> 40 dB	
Power Requirements	5.5 V 1A	

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.

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.

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; 7,684,838; D626,953; 8,473,018

Wilson Electronics

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