Wilson® Electronics, Inc.

Say Goodbye To Dropped Calls

PRODUCT CATALOG

Improving Your Cellular Signal with the World's Best-Performing and Most Powerful Cell Phone Signal Boosters and Antennas

2010

ENGINEERING • EXPERIENCE • EXPERTISE • PERFORMANCE

Wilson Electronics, Inc. designs, manufactures and sells cell phone signal boosters, antennas and other components that extend and improve wireless service coverage indoors and on the go. Wilson's boosters and antennas solve the problems of dropped calls, lost data and transmission quality issues that users routinely experience on every wireless network. Wilson's products currently operate in the frequency ranges on all major systems in the U.S., Canada, and Latin America and amplify transmissions for all mobile phones and laptop data cards. Wilson sells its products using a two-tier distribution system to a growing market of consumers, mobile professionals and business users through a network of more than 5,000 specialty retail and carrier stores in the U.S., Canada, Latin America and other locations around the globe.

ENGINEERING TEAM

Dr. Dwight Heim, EE
Earned a Ph.D. in Electrical Engineering and was named Professor Emeritus at the University of Michigan. Dr. Heim taught Electrical Engineering and has authored and published many technical articles and papers.

Patrick L. Cook, EE
Graduated from the University of Nevada, Las Vegas, with a Bachelor of Science degree in Electrical Engineering in 1994. He completed post-graduate work in antenna theory and design.
Amateur Radio Call Sign: KC7WJN

Vlad A. Skrypnyk, EE
Graduated from the Kharkiv Technical University of Radio Electronics, Kharkiv, Ukraine, in 1971 and has 37 years of experience in RF design. He has also authored and published 34 technical articles and two books in Russian.
Amateur Radio Call Signs: AA7DJ, UY5DJ

Weston B. Johnson, EE, CE
Graduated from DeVry University in Phoenix, Arizona with a Bachelor of Science degree in Electrical Engineering in 2003 and a Bachelor of Science degree in Computer Engineering in 2002.
Amateur Radio Call Signs: KF7HFG

Robert Richey, EET
Graduated cum laude from Weber State University in Ogden, UT with a Bachelor of Science Degree in Electronics Engineering Technology in 2003.
Amateur Radio Call Signs: KF7HFF

Alan Van Buren, EE
Graduated from the University of California, Santa Barbara, with a Bachelor of Science degree in Electrical Engineering in 1971. He has 37 years of experience in RF design and holds several industry patents.
Amateur Radio Call Sign: K7CA

Richard "Riki" Kline, EE
Graduated from the University of Nevada, Reno, with a Bachelor of Science degree in Electrical Engineering, cum laude, in 1967 and has more than 40 years of experience in RF design, electromagnetic compatibility, reliability and quality engineering.
Amateur Radio Call Signs: K7NJ, 4X4NJ

Lisa Stewart, IE
Graduated from the University of Wisconsin, Madison, with a Bachelor of Science degree in Industrial Engineering, summa cum laude, in 2001. A specialist in enterprise improvement methodology, lead time reduction, theory of constraints, testing methods and design of experiments. She holds a Six Sigma Black Belt Certification.

Frank Iglesias, EET
Graduated from Southern Utah University, Cedar City, with a Bachelor of Science degree in Electrical Engineering Technology in 2003.

Wilson® Electronics, Inc.

Symbol Index

- Passenger Vehicles
- Commercial Vehicles
- Recreational Vehicles
- Utility Vehicles
- Residential Buildings
- Industrial / Commercial Buildings
- Marine Craft

Warranty Information

30-Day Money-Back Guarantee
All Wilson Electronics products are protected by Wilson's 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.

Signal Booster Warranty
Wilson Electronics signal boosters are warranted for one (1) year against defects in workmanship and/or materials.

Antenna Warranty
Wilson Electronics antennas are warranted for ninety (90) days against defects in workmanship and/or materials. (Trucker antennas are warranted for one year.)

Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase. Signal Boosters and antennas 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 shall, at its option, either repair or replace the product and will pay for delivery of the repaired or replaced product back to the original consumer within the U.S.

These warranties do not apply to any products determined by Wilson Electronics to have been subjected to misuse, abuse, neglect or mishandling that alters or damages physical or electronic properties.

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

The Problem: Dropped Calls

Everyone who uses a cell phone or data card knows how aggravating it is to drop a call or not be able to connect. Fortunately, Wilson Electronics has the solution! Our industry-leading cell phone signal boosters and antennas enable you to connect and maintain calls by improving your cellular signal at home, at work or on the go. Wilson keeps you connected!

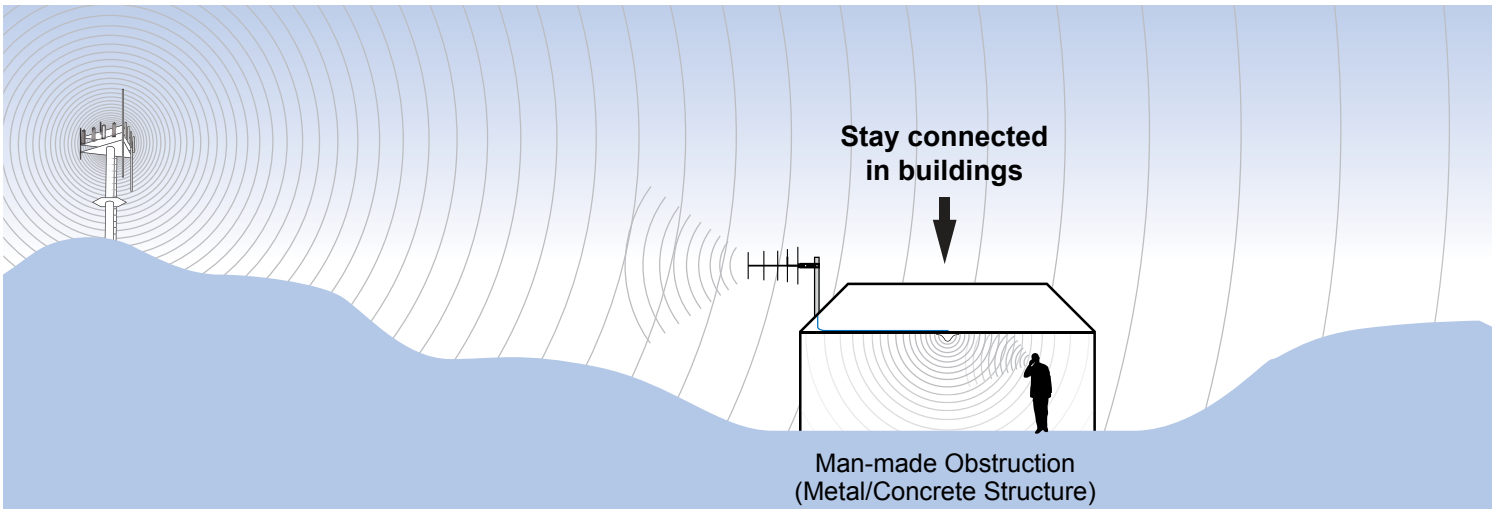
Reasons for Dropped Calls and Slow Data Rates

Dropped calls are generally due to two reasons:

1. **Location of the Nearest Cell Tower** Cellular reception in many areas is negatively affected by terrain features such as hills and valleys, but distance plays the biggest role in limiting cellular communications, especially in rural areas. The farther you are from a cell tower, the weaker your signal will be.

2. **Natural and Man-made Obstructions** Hills, trees and buildings all interfere with the quality of the cellular signal between your phone or data card and the cell tower. You may be relatively close to a cell tower but unable to connect because of obstructions. Stucco and concrete walls used in homes, offices and other buildings block cellular signals, making it difficult to make a call.

For stranded motorists and emergency services personnel, the inability to make a cell phone call can mean the difference between life and death. For people who rely on their cell phone or data card for business, it can affect the outcome of important business decisions or relationships.



The Solution: Boost Your Cell Phone Signal With Wilson Products

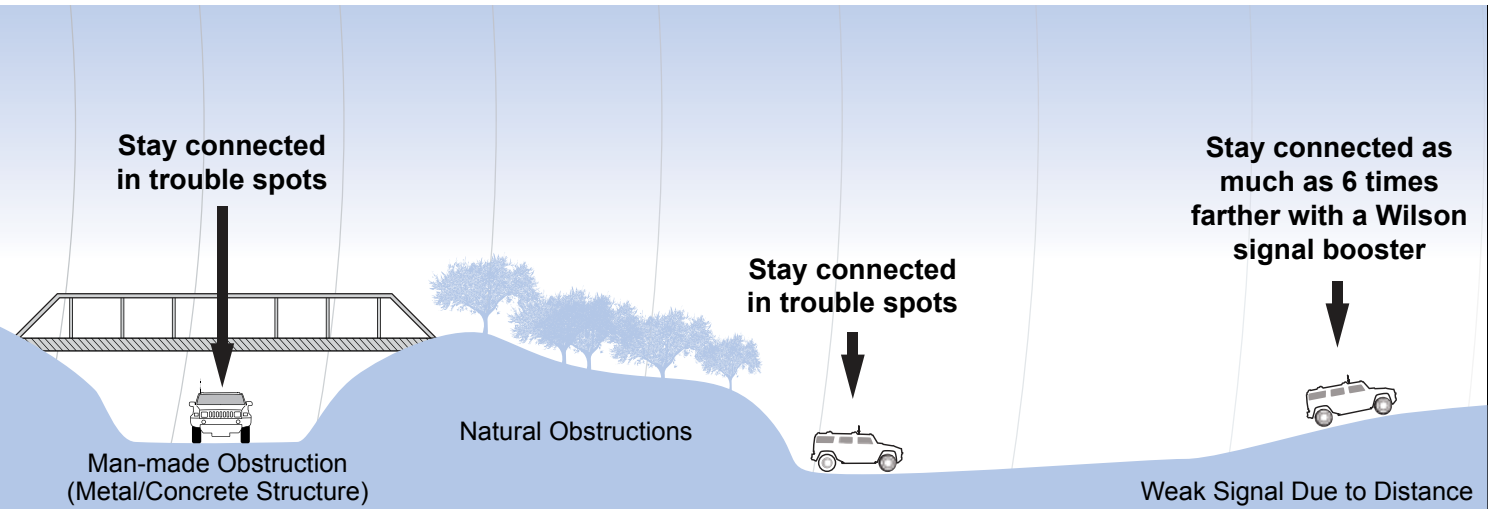
Wilson cell phone boosters eliminate the frustration of dropped calls, limited range and slow data rates by amplifying incoming and outgoing phone signals in both mobile and building situations. With a reputation as the finest in the business, our bi-directional boosters and antennas are expertly engineered to detect and amplify weak incoming signals your cell phone would miss, and simultaneously broadcast a much stronger signal back to the cell tower.

Product testing proves that Wilson boosters lead the industry with:

- **The highest receiver sensitivity: captures weak or distant cellular signals**
- **The highest power output: reaches distant cell towers**
- **Microprocessor-controlled circuitry: patented technology that protects cell towers**

Wilson's wide range of plug-and-play packages and individual products for custom installations offer great value and ensure reliable cellular communication at work, at home and on the go.

Introducing the Sleek™, Wilson Electronics newest addition to its cradle booster line of products.



Stay Connected On The Go

CAR

TRUCK

RV

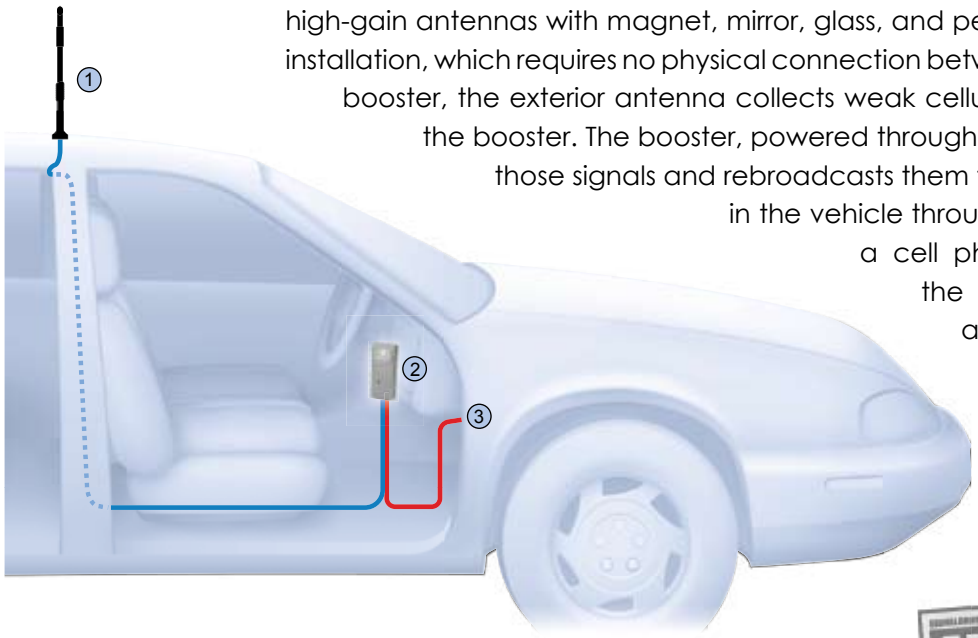
EMS

BOAT

Mobile Solutions

Whether you're traveling on the open road, in the wild, or on the water, Wilson Electronics keeps you connected!

Wilson manufactures powerful mobile wireless and direct-connection cell phone signal boosters for all carrier frequencies (Cellular, PCS, and Nextel/iDEN), as well as high-gain antennas with magnet, mirror, glass, and permanent mounts. In a wireless installation, which requires no physical connection between the cell phone and signal booster, the exterior antenna collects weak cellular signals and sends them to the booster. The booster, powered through the cigarette lighter, amplifies those signals and rebroadcasts them to cell phones and data cards in the vehicle through the interior antenna. When a cell phone or data card transmits, the process is reversed and the amplified signals are transmitted back to the cell tower.



Typical Wireless Installation

1. Exterior antenna
2. MobilePro Signal Booster
3. Cigarette lighter power supply

SignalBoost HD Solo 811210

The perfect choice for the user looking to improve cellular signals for a single cell phone or data card. Includes SignalBoost amplifier, exterior Magnet Mount antenna and interior Cradle Plus antenna.

SUPPORTS SINGLE USER

SignalBoost MobilePro 801241

The MobilePro can be easily moved from vehicle to building making it great for cars, hotels, airports and offices. Includes the MobilePro amplifier, exterior Mini Magnet Mount Antenna and multiple mounting options and power supply options.

Supports Multiple In-Vehicle Users

SignalBoost HDMobile 801212

Wilson's most popular mobile signal booster combines with the exterior Magnet Mount antenna and interior Low Profile antenna for a high performance multi-user option.

Supports Multiple In-Vehicle Users

Stay Connected Indoors

HOME

APARTMENT

SMALL OFFICE

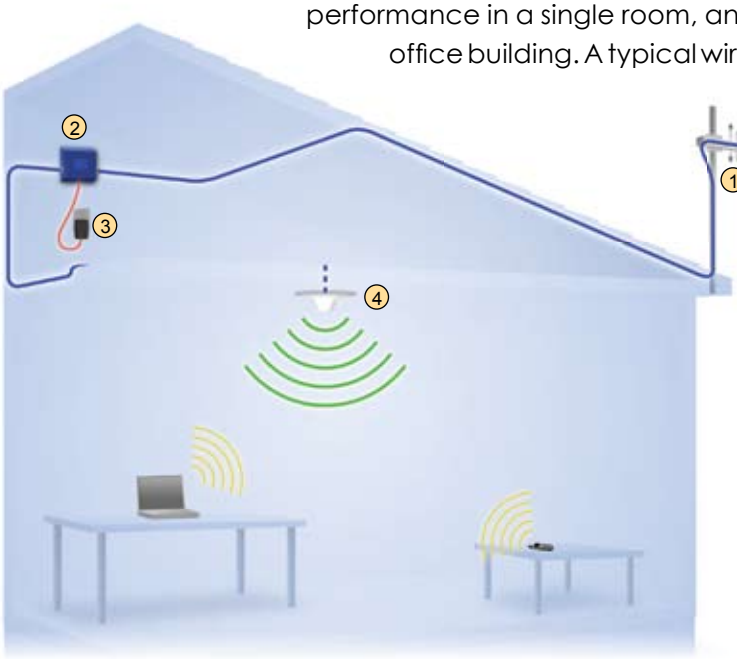
HIGH RISE

WAREHOUSE

Building Solutions

Wilson Electronics offers a full line of high-performance building signal booster and antennas to give you a strong, reliable cell phone signal indoors.

Wilson manufactures building signal boosters and antennas to improve cell phone performance in a single room, an entire home, a large warehouse, or a multi-story office building. A typical wireless building system includes an outside antenna that detects weak cellular signals and sends them to the amplifier. Powered through a standard AC outlet, the booster amplifies those signals and sends them to the inside antenna, which communicates the stronger signal to cell phones and data cards in the building. When a cell phone or data card transmits, the process is reversed.



Typical Wireless Installation

1. Outside antenna
2. Signal Booster
3. AC power supply
4. Inside antenna

SMALL OFFICE • HOME OFFICE

SOHO 801245

Features an exterior high gain omni directional antenna (eliminates antenna pointing) and the interior panel antenna. Includes everything needed for simple installation.

SUPPORTS ONE ROOM

RESIDENTIAL

SignalBoost DB Pro 841262

The DB Pro was designed for simple installation using standard TV cable often pre-wired in homes and an external omni directional antenna. Also includes the interior panel antenna and high gain DB Pro amplifier.

SUPPORTS WHOLE HOUSE

COMMERCIAL

Building Single Band
Wireless Kits 801165 801365

Each of these powerful signal booster Plug-and-Play kits include an Exterior Yagi antenna and Interior panel antenna.

SUPPORTS LARGE BUILDINGS

WHY WILSON? Simply, because of our patented technology that prevents interference with the cell phone carriers and their towers making Wilson Electronics' bi-directional cell phone signal boosters the most technologically advanced on the market today. Also referred to as amplifiers, its most important feature is patented oscillation shutdown protection, which activates complete shutdown within just a few milliseconds to prevent harmful interference to cell towers. Wilson boosters also offer completely adjustable software-controlled automatic gain control, both on forward and reverse links, which allows them to meet CDMA and GSM ACPR requirements. The boosters are invisible within CDMA and GSM systems. They also have the capability of following base station power requests which allows maintaining the full power dynamic range of the cell phone.

The Relationship Between Gain and Power Output in Signal Boosters

Have you wondered why a direct-connection cell phone signal booster with 12 dB gain has 3 watts of power output, and a wireless booster has 40 dB gain and 3 watts of power output?

Gain is the number of times the power into the booster is increased at the output of it. Gain is expressed in dB's, a way to make large numbers easier to write. For example, 10 dB is a gain of 10 times, 20 dB is a gain of 100 times. For example, 1 watt into a booster which has 10 dB gain puts out 10 watts. But that's not the whole story. What if the booster is only capable of 3 watts output? The booster is then over-driven. Too much input power results in 3 watts of distortion, just like yelling into a microphone and distorting a hi-fi system. The same happens to the cell phone signal booster, which causes it to interfere with adjacent channels on the cell tower.

The maximum power that can be applied to a 10 dB 3-watt amplifier is .3 watts, which gives 3 watts of undistorted output. A cell phone connected to a direct-connection booster with normal cell phone maximum power (.2 watts) going into the booster and a gain of about 12 dB gives 3 watts of undistorted output power to the cell tower. Any more input power would not increase the output, but only distort it, which causes harmful interference.

A gain of 15 times is 11.8 dB. The following table will give you an idea of how dB's relate to the number of times the signal is amplified:

10 dB = gain of 10
13 dB = gain of 20
16 dB = gain of 40
19 dB = gain of 80
20 dB = gain of 100
30 dB = gain of 1,000
40 dB = gain of 10,000
50 dB = gain of 100,000
60 dB = gain of 1,000,000

As you can see, around 12 dB (15 x) is the maximum gain that you need on a direct-connection booster. Direct-connection boosters with 20 dB or more gain are only wasting its power by generating signals that interfere on adjacent cell phone channels – actually causing less power where you need it. Remember that you only have 3 watts, which is now divided over a bigger bandwidth, causing harmful interference.

Why do we need higher gain boosters? Let's look at a 40 dB mobile wireless 3-watt booster. We need more gain because when the cell phone has to transmit to and receive from the booster's inside antenna (which is about 1-2 feet from the cell phone), the signal is much weaker into the booster than the .2 watts that was going directly into the direct-connection booster. The signal is now approximately 660 times weaker when it enters its input. It just so happens that a 40 dB gain booster will put out 3 watts with that input, so you can see different gains are needed for different applications. Also, in an automobile situation with the outside antenna on the roof of the car and the inside antenna near the headrest, 40 dB is generally the maximum gain before the booster starts causing interference.

With building applications, the cell phone is much farther from the inside antenna; therefore, a higher gain booster is needed. A 50 to 60 dB gain will generally give good coverage in most building applications. Signal boosters with higher gain require much greater antenna separation. For example, a 72 dB gain booster requires 4 times more antenna separation distance than a 60 dB booster.

For technical help with questions on signal booster installation, please call 866-294-1660.

Wilson Electronics
Say Goodbye to Dropped Calls

Sleek™ Cell Phone Signal Booster

800/1900 MHz

FEATURES

- Reduces dropped calls, extends signal range, and increases data rates
- Built in signal booster amplifies signals to and from cell tower
- Up to 20 TIMES more output power to cell tower when in a vehicle
- Receives weak signals the phone alone may not
- Built-in battery charging port
- Extends battery life – Booster enables phone to work at reduced power
- Adjustable arms to fit any phone
- Simplifies hands free operation
- Installs in minutes – no special tools required
- Package includes everything needed -- plug-and-play
- Attractive, compact design

SPECIFICATIONS

Part Number	**815226**
Frequency	824-894 MHz / 1850-1990 MHz
Gain	20 dB
Max Output Power	31.8 dBM
Noise Figure	3.0 dB nominal
Flatness	±4 dB
Isolation	> 40 dB
Power Requirements	5V
Connectors	SMA Female
Dimensions	2.25 x 4.25 x 2.5 (inch) 5 x 9.5 x 5.6 (cm)
Weight	2.5 (oz) / 0.07 (kg)

KIT

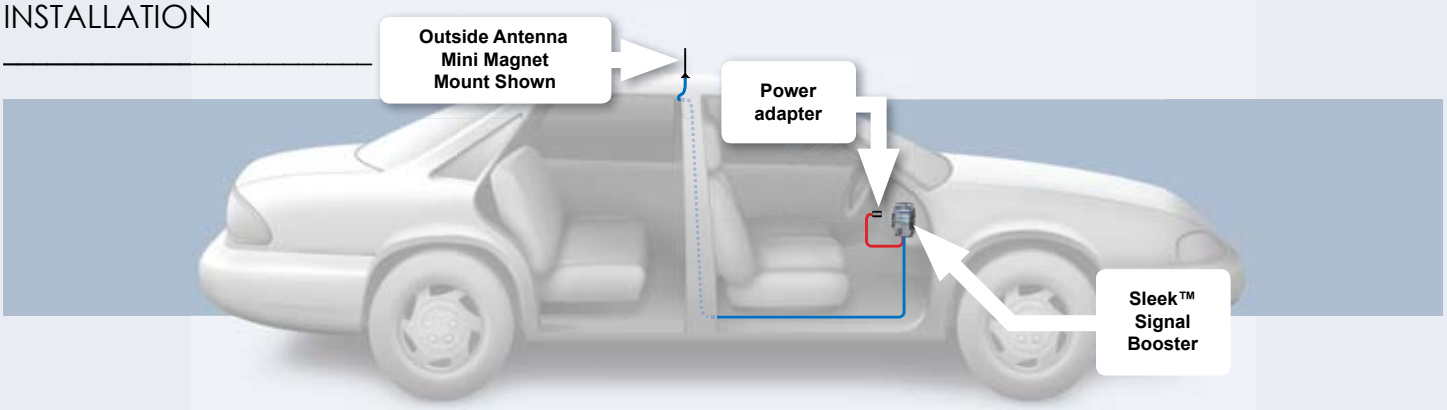
Wilson's new Sleek™ improves both voice and data performance on the road. With 20 times the power to the cell tower of a cell phone alone, it features a built-in antenna, battery charging port and works with Cellular (800 MHz) and PCS (1900 MHz) frequencies.

The Wilson Electronics' Sleek signal booster kit includes:

- Sleek™ all in one cradle combo: signal booster
- Outside vehicle mini magnet-mount antenna
- Cigarette lighter power adapter*
- Installation guide
- 30-day, "No Questions Asked" money-back guarantee
- Limited one-year product warranty

*Use only with supplied cigarette lighter power supply

INSTALLATION



SLEEK™ CELL PHONE SIGNAL BOOSTER

NEW PRODUCT

815226

Wilson Electronics
Say Goodbye to Dropped Calls

800/1900 MHz

SIGNALBOOST™ Mini-Mobile™ Dual-Band Wireless Amplifier

SIGNALBOOST Traveler

FEATURES

- Installs in minutes – no special tools required
- Portable – can easily be moved between vehicles
- Wireless operation - no physical connection to cell phone or data card
- Supports multiple users in vehicle
- Amplifies signals to and from the cell tower
- Microprocessor-controlled circuitry ensures reliable operation within regulatory standards
- Improves signals for both voice and data
- Six times more power than a typical cell phone
- DC power supply included (cigarette lighter type), AC power supply sold separately
- Oscillation protection and shutdown auto reset
- FCC and IC Type Accepted

SPECIFICATIONS

Part Number	**801230**
Frequency	824-894 MHz / 1850-1990 MHz
Gain	40 dB / 42 dB
Max Output Power	1.7 watts
Max RF Output (down)	+8 dBm
Noise Figure	3.5 dB nominal
Flatness	±5 dB
Isolation	>90 dB
Power Requirements	6V
Connectors	SMA Female
Dimensions	3.25 x 3.25 x 1 (inch) 9.6 x 8.1 x 3.8 (cm)
Weight	4 (oz) / 0.11 (kg)

KIT OPTIONS

Designed to satisfy the needs and preferences of different users, the Mini-Mobile is available in several plug-and-play kits with various options for interior and exterior antennas.

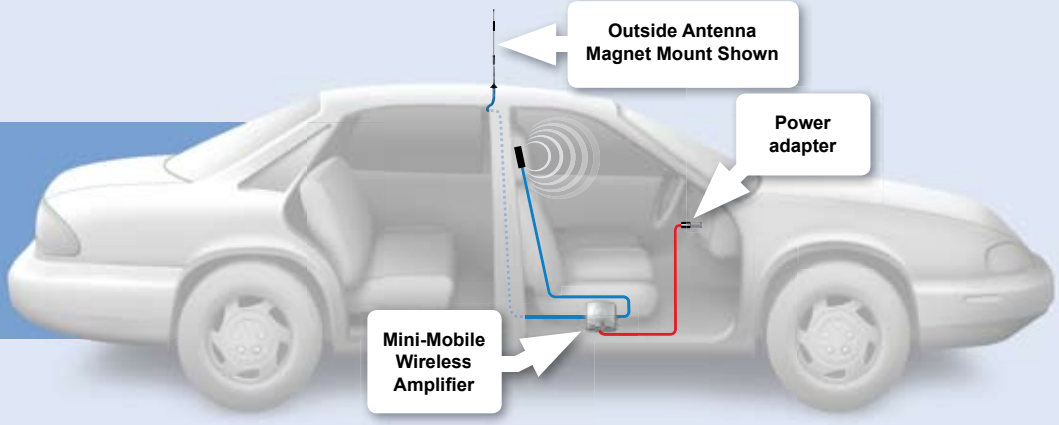
SEE KIT COMPONENTS ON PAGE 24 & 25

Part Number	Interior Antenna	Exterior Antenna
801230	Ultra-Slim**	Purchased Separately*
801232	Ultra-Slim**	12" Magnet Mount

* These kits are designed for users who want to select a marine, RV, trucker, or other type of external antenna.
** Wilson's Ultra-Slim Antenna enables discreet installation.

INSTALLATION

Wireless Operation
No Physical Connection to Cell Phone



Wilson Electronics
Say Goodbye to Dropped Calls

800/1900 MHz

SIGNALBOOST™ MobilePro™ Dual-Band Wireless Amplifier

SIGNALBOOST Traveler

SPECIFICATIONS

Part Number	**801240**
Frequency	824-894 MHz / 1850-1990 MHz
Gain	40 dB / 42 dB
Max Output Power	500 mw
Max RF (up/down)	+8 dBm
Noise Figure	3.5 dB nominal
Flatness	±4 dB
Isolation	> 90 dB
Power Requirements	5V — 8V
Connectors	SMA Female
Dimensions	2 x 4.75 x 1 (inch) 5.1 x 12.1 x 2.5 (cm)
Weight	3 (oz) / 0.09 (kg)

FEATURES

Ideal for laptop data cards – can be powered by USB port.

- Portable – can easily be moved from vehicle to building
- Installs in seconds – no special tools required
- Features a built-in interior antenna
- Multiple power options - USB port, cigarette lighter, or AC adapter
- Wireless operation – no physical connection to cell phone or data card
- Microprocessor-controlled circuitry ensures reliable operation within regulatory standards
- Oscillation protection and shutdown auto reset
- FCC and IC Type Accepted

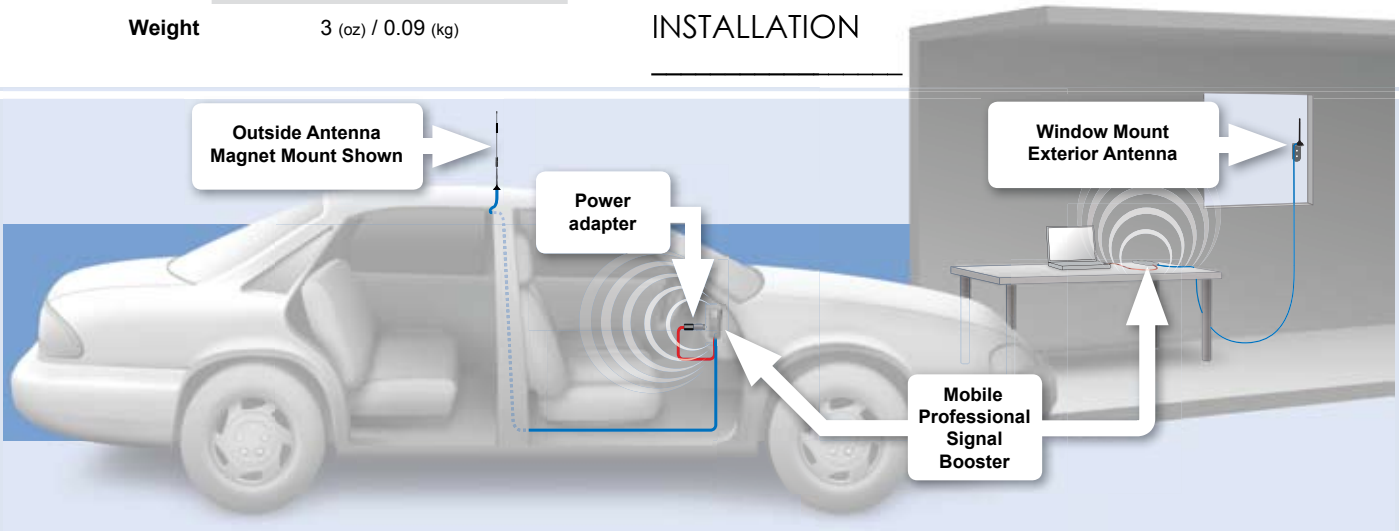
KIT OPTIONS

Wilson's new SignalBoost™ Mobile Professional improves cell phone and data card performance on the road, in airports, hotels and office buildings. With 2 times the output power of a typical cell phone, it features a built-in antenna, supports multiple phones and data cards, works with Cellular (800 MHz) and PCS (1900 MHz) frequencies, and offers multiple power options (USB port, vehicle cigarette lighter or standard AC outlet). The Mobile Professional is available in four plug-and-play kits to meet specific user needs.

SEE KIT COMPONENTS ON PAGE 24 & 25

Part Number	Exterior Antenna	Interior Antenna
801241	12" Magnet Mount	Included
801242	4" Mini Magnet Mount	Included
801243	12" Magnet Mount	Sold Separately
801244	4" Mini Magnet Mount	Sold Separately

INSTALLATION



Wilson Electronics
Say Goodbye to Dropped Calls

SIGNALBOOST™ **HD**Mobile™ Wireless Single & Dual-Band Amplifiers Professional Series

DUAL-BAND

SINGLE BAND

FEATURES

- Oscillation detection and shutdown with auto reset
- No physical connection to your cell phone or cellular data card
- Works on all generations of CDMA, TDMA, GSM, and 3G
- Passes TIA/EIA-98-E transmit tests for evaluating CDMA cellular phones
- Power control logic ensures maximum gain is within cellular standards
- Allows multiple phones and cellular data cards to be used simultaneously
- Maximum 3 watts output power
- Overload protection circuit – protects cell system from overload
- Automatic reset – if overload occurs
- FCC and IC type accepted

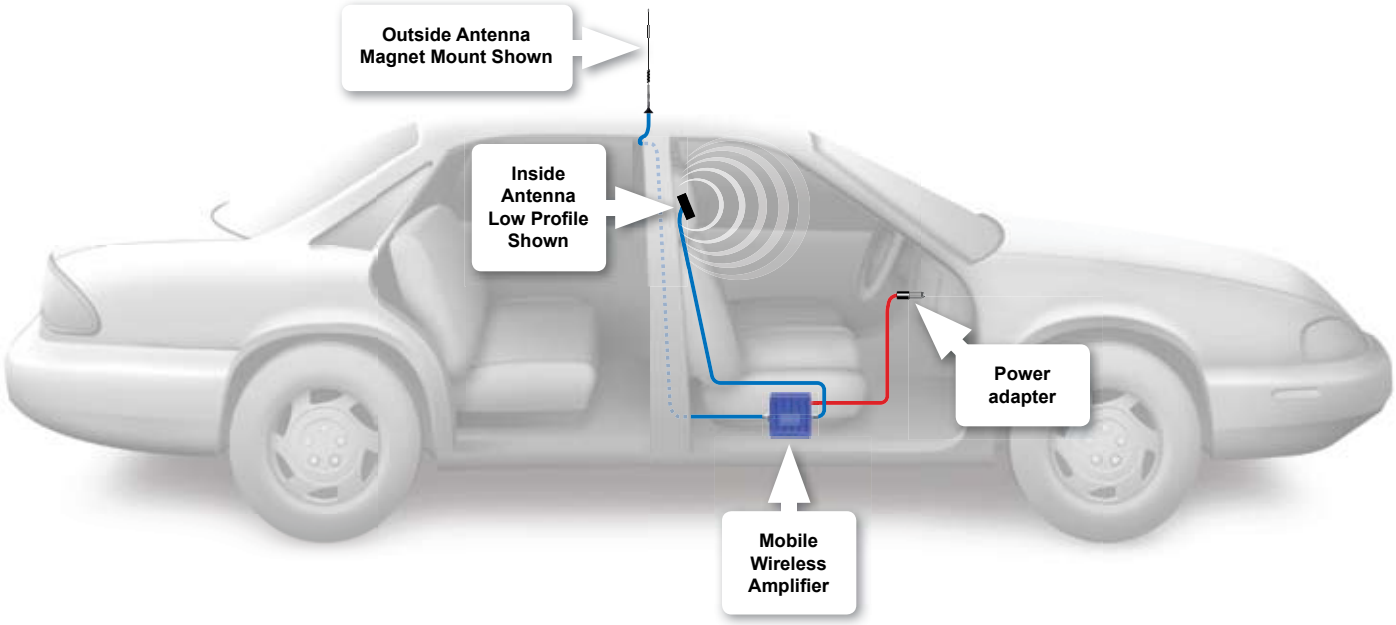
SPECIFICATIONS

	Single Band 800 MHz	Dual-Band 800 / 1900 MHz	iDEN Single Band 800 MHz
Part Number	801101	HOT 801201 **KIT**	804002
Frequency	824-894 MHz	824-894 MHz / 1850-1990 MHz	806-869 MHz
Gain	40 dB	40 dB / 45 dB	40 dB
Max Output Power	3 watts	3 watts	3 watts
Max RF (downlink)	+10 dBm	+10 dBm	+10 dBm
Noise Figure	3.5 dB nominal	3.5 dB nominal	3.5 dB nominal
Flatness	±3 dB / ±4 dB	±3 dB / ±4 dB	±3 dB / ±3 dB
Isolation	> 90 dB	> 90 dB	> 90 dB
Power Requirements	12 V, 0.5-1.5 A max	6 V, 3 A max	12 V, 0.5-1.5 A max
Connectors	FME-Male 50 ohms	FME-Male 50 ohms	FME-Male 50 ohms
Dimensions	5.5 x 4.3 x 1.4 (inch) 14.0 x 10.8 x 3.5 (cm)	4.5 x 3.5 x 1.25 (inch) 11.43 x 8.9 x 3.2 (cm)	5.5 x 4.3 x 1.4 (inch) 14.0 x 10.8 x 3.5 (cm)
Weight	1.32 lbs / 0.6 kg	1.5 lbs / 0.7 kg	1.32 lbs / 0.6 kg

HOT = Best Seller

KIT = Available in Plug-and-Play kit (Page 24)

MOBILE INSTALLATION DIAGRAM



ANTENNA OPTIONS (Pages 28-33)

- NMO Antenna
- Mini Magnet-Mount Antenna
- Magnet-Mount Antenna
- Trucker Antennas

Mobile Wireless Amplifiers – Peak Performance on the Road

From road warriors to truckers to soccer moms, thousands of drivers depend on Wilson Mobile Wireless Amplifiers to stay connected around town and on the open highway. These powerful boosters enable cell phone and data card users to extend their signal range, reduce dropped calls, and increase data rates with no physical connection to cell phone or data card. And, because they're wireless, these boosters support multiple users simultaneously.

Wilson Electronics
Say Goodbye to Dropped Calls

SIGNALBOOST™ **HD**SOLO™ Dual-Band Wireless Amplifiers

FEATURES

Inductively couples to phone with Ultra-Slim antenna - no adapter required. Operates similar to direct connection amplifiers.

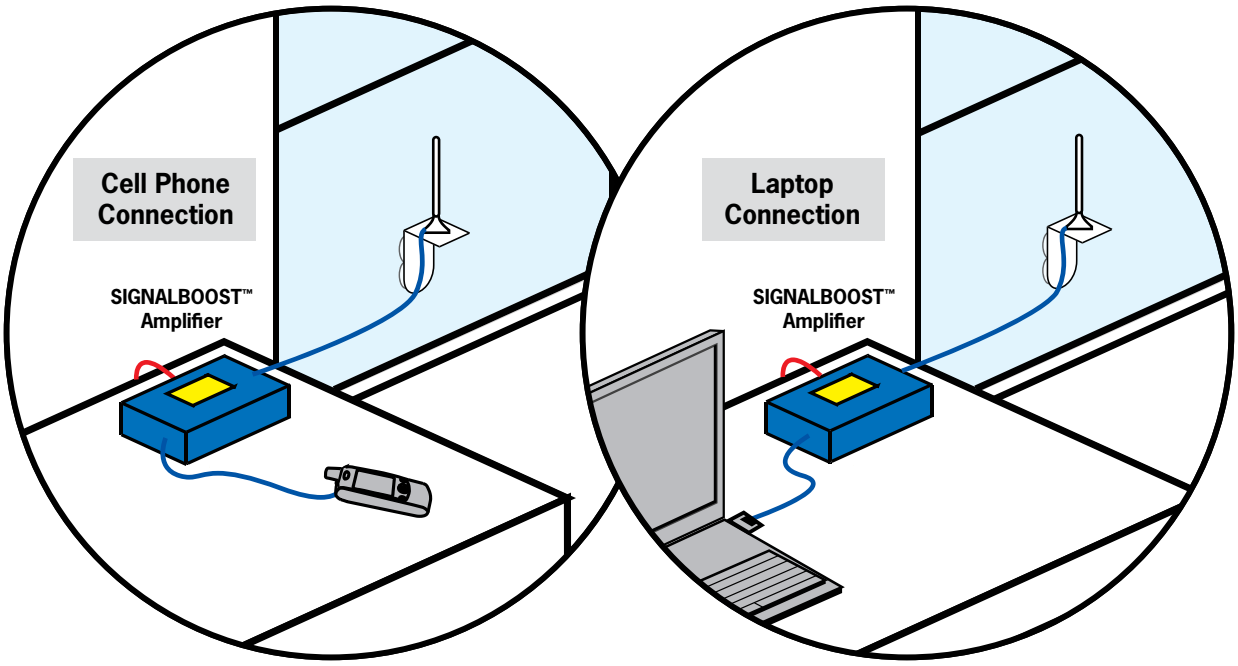
- Works with all Cellular/PCS cell phones and laptop data cards (except iDEN)
- Connects to ALL phones and data cards with a Universal Ultra-Slim Antenna using a Velcro® patch
- No plug-in phone adapter needed
- Up to 10 times more power than your cell phone or laptop data card
- Significantly improves voice and data signal quality
- Increases data communication rates needed for 3G technologies
- Receives and transmits better than your cell phone
- Extends cell phone battery life
- Works great in mobile, building and marine applications
- Easy to install and use
- Works on all generations of CDMA, TDMA and GSM
- Up to 3 watts maximum power
- FCC and IC type accepted

HOT = Best Seller **KIT** = Available in Plug-and-Play kit (Page 24)

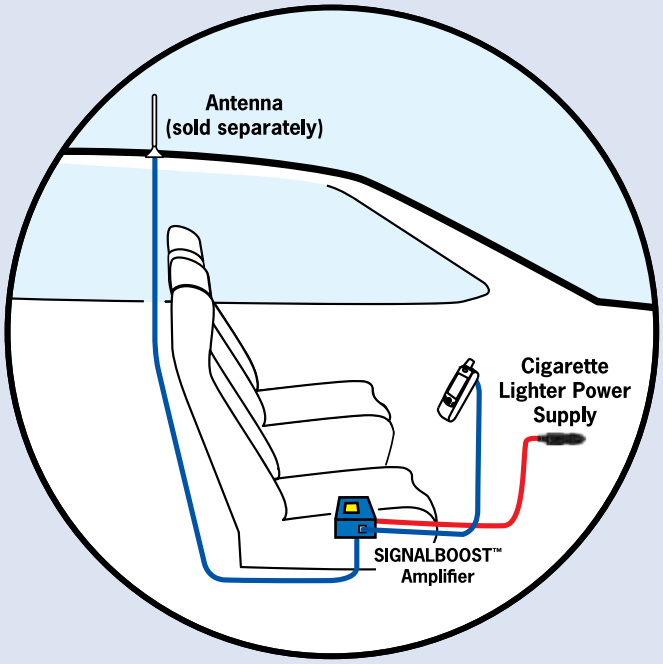
SPECIFICATIONS

Part Number	HOT 811210 KIT	811710 KIT	811910 KIT
Frequency	824-894 MHz 1850-1990 MHz	890-960 MHz 1710-1880 MHz	890-960 MHz 1885-2200 MHz
Gain	25 dB / 25 dB		
Max Output Power	3 watts		
Max RF (downlink)	+10 dBm		
Noise Figure	3.5 dB nominal		
Flatness	±2 dB / ±2 dB		
Isolation	> 50 dB		
Power Requirements	12 V DC / 2 A max		
Connectors	FME-Male 50 ohms		
Dimensions	5 x 3.5 x 1.2 (inch) / 12.7 x 8.9 x 3 (cm)		
Weight	1.03 lbs / 0.468 kg		

HOME/OFFICE INSTALLATION DIAGRAM



MOBILE INSTALLATION DIAGRAM



Velcro™ Universal Ultra-Slim Antenna to the back of your cell phone.

Wilson Electronics
Say Goodbye to Dropped Calls

Cradle Booster™ Wireless Amplifier/Chargers

FEATURES

- Installs in seconds – no special tools required
- Signal booster features a built-in interior antenna and battery charging capabilities
- Increase phone's voice and data performance in weak signal areas
- Amplifies signals to and from cell tower
- Can be used for "Hands Free" operation
- Microprocessor-controlled circuitry ensures reliable operation within regulatory standards
- Oscillation protection and shutdown auto reset

U-Booster™ Universal 805221

C-Booster™ for BlackBerry® Curve™ 805206

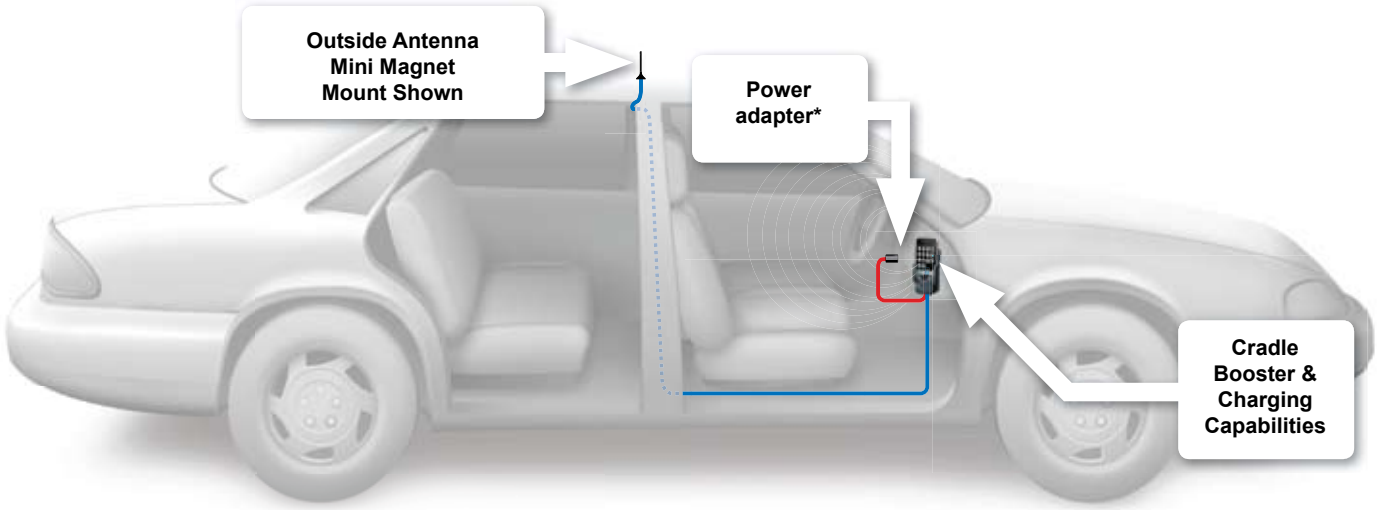
iBooster™ for iPhone™ 805201

Single-User Solution

SPECIFICATIONS

Part Number	805201	805206	805221
Frequency	824-894 MHz 1850-1990 MHz	824-894 MHz 1850-1990 MHz	824-894 MHz 1850-1990 MHz
Gain	40 dB / 42 dB	40 dB / 42 dB	40 dB / 42 dB
Max Output Power	2 W	2 W	2 W
Max RF (downlink)	-20 dBm	-20 dBm	-20 dBm
Noise Figure	3.5 dB nominal	3.5 dB nominal	3.5 dB nominal
Flatness	±4dB	±4dB	±4dB
Isolation	> 90 dB	> 90 dB	> 90 dB
Power Requirements	12V*	12V*	12V*
Connectors	SMA Female	SMA Female	SMA Female
Dimensions	2 x 4.75 x 1 (inch) 5.1 x 12.1 x 2.5 (cm)	2 x 4.75 x 1 (inch) 5.1 x 12.1 x 2.5 (cm)	2 x 4.75 x 1 (inch) 5.1 x 12.1 x 2.5 (cm)
Weight	3 (oz) / 0.09 (kg)	3 (oz) / 0.09 (kg)	3 (oz) / 0.09 (kg)

MOBILE INSTALLATION DIAGRAM



KIT

Wilson's new cradle boosters improve both voice and data performance on the road. With 20 times the power to the cell tower of a cell phone alone, they feature a built-in antenna, battery charger and works with Cellular (800 MHz) and PCS (1900 MHz) frequencies.

The cradle booster kits include:

- Outside vehicle magnet-mount antenna
- Cigarette lighter power adapter*
- Installation guide
- 30-day, "No Questions Asked" money-back guarantee
- Limited one-year product warranty

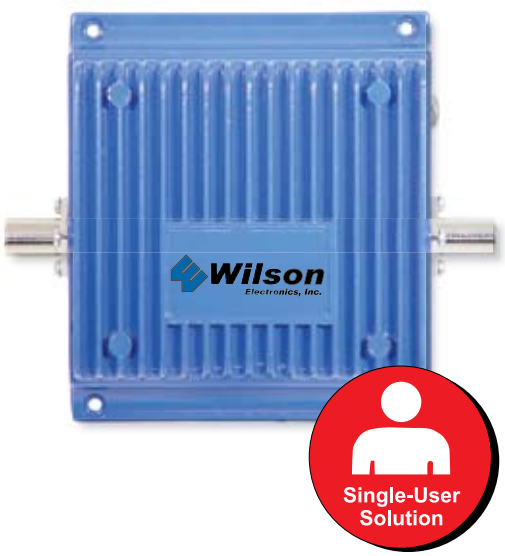
*Use only with supplied cigarette lighter power supply

ANTENNA OPTIONS (Pages 28-33)

- NMO Antenna
- Mini Magnet-Mount Antenna
- Magnet-Mount Antenna
- Trucker Antennas

Wilson Electronics
Say Goodbye to Dropped Calls

Direct-Connection Amplifiers



FEATURES

- Improves voice and data signal quality
- Improves data communication rates needed for 3G technologies
- Power control logic ensures maximum output power is within cellular network standards
- Automatic gain control
- Advanced electronics receive and transmit better than a cell phone or cellular data card
- Connects directly to cell phone with a Wilson antenna adapter
- Mobile, marine and building use
- Greatly reduces disconnects, drop-outs, and noise
- Transmits signal energy to the outside antenna
- 3-watt power signal booster
- FCC and IC type accepted

SPECIFICATIONS

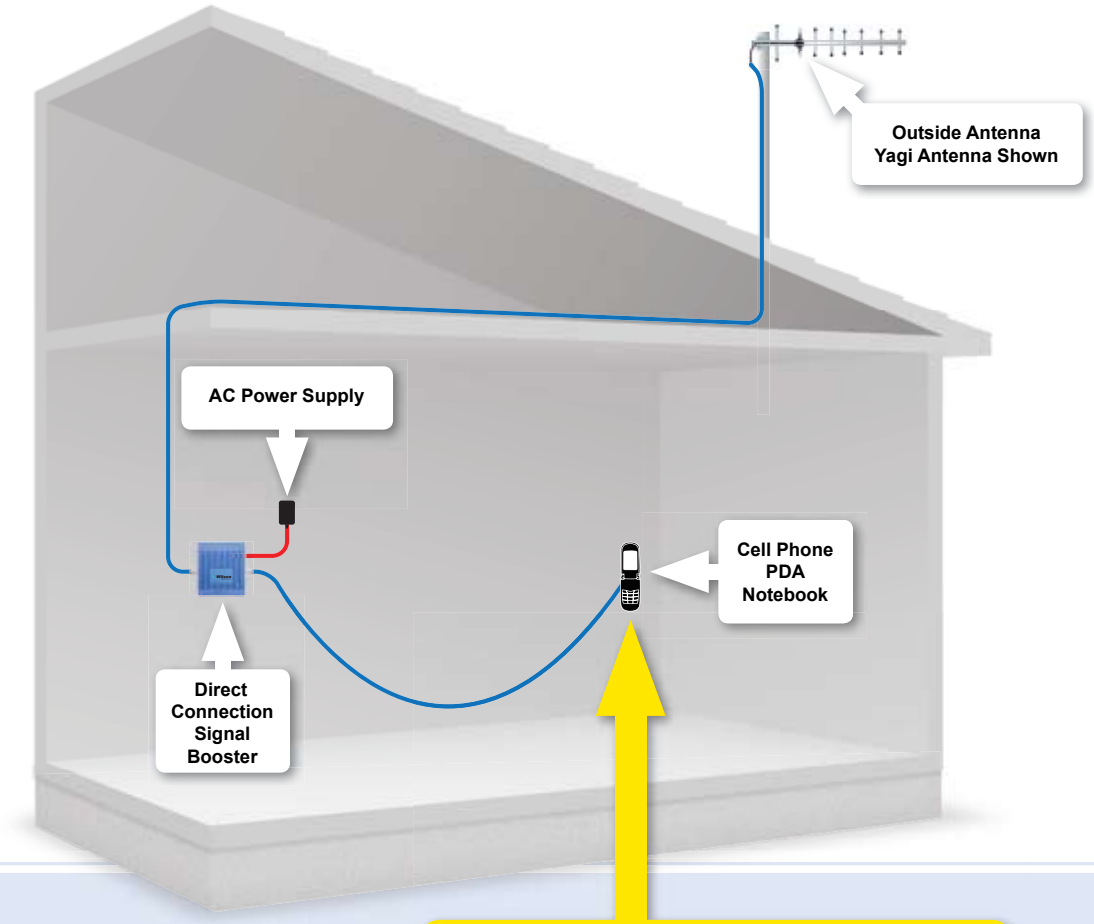
Part Number	811101	811201	811701	811901	814021
Frequency (MHz)	824-894 (with 1900 MHz bypass)	824-894 1850-1990	890-960 1710-1880	890-960 1885-2200	
Gain	10 dB / 14 dB				
Max Output Power	3 watts				5 watts
Max RF (downlink)	+15 dBm				
Noise Figure	3.5 dB nominal 3.5 dB nominal				
Flatness	± 2 dB / ±2 dB				±1.5 dB / ±1.5 dB
Isolation	> 90 dB > 90 dB				
Power Requirements	12 V, 0.5-1.5 A max				13.8 V, 3.5 A max
Connectors	FME-Male 50 ohms				
Dimensions	5.5 x 4.3 x 1.4 (inch) / 14.0 x 10.8 x 3.5 (cm)				
Weight	1.32 lbs / 0.6 kg				

Building Antenna Options
Pages 28-35

Directional Yagi Antenna
Magnet-Mount Antenna
Trucker Antenna
Marine Antenna

Optional Accessories
Page 38,40

Coax Cable Extension
Lightning Suppressor
2-way Splitter
Combiner/Diplexer
Taps



Mobile Antenna Options
Pages 28-33

Mini Magnet-Mount Antenna
Magnet-Mount Antenna
Trucker Style Antenna
NMO Antenna

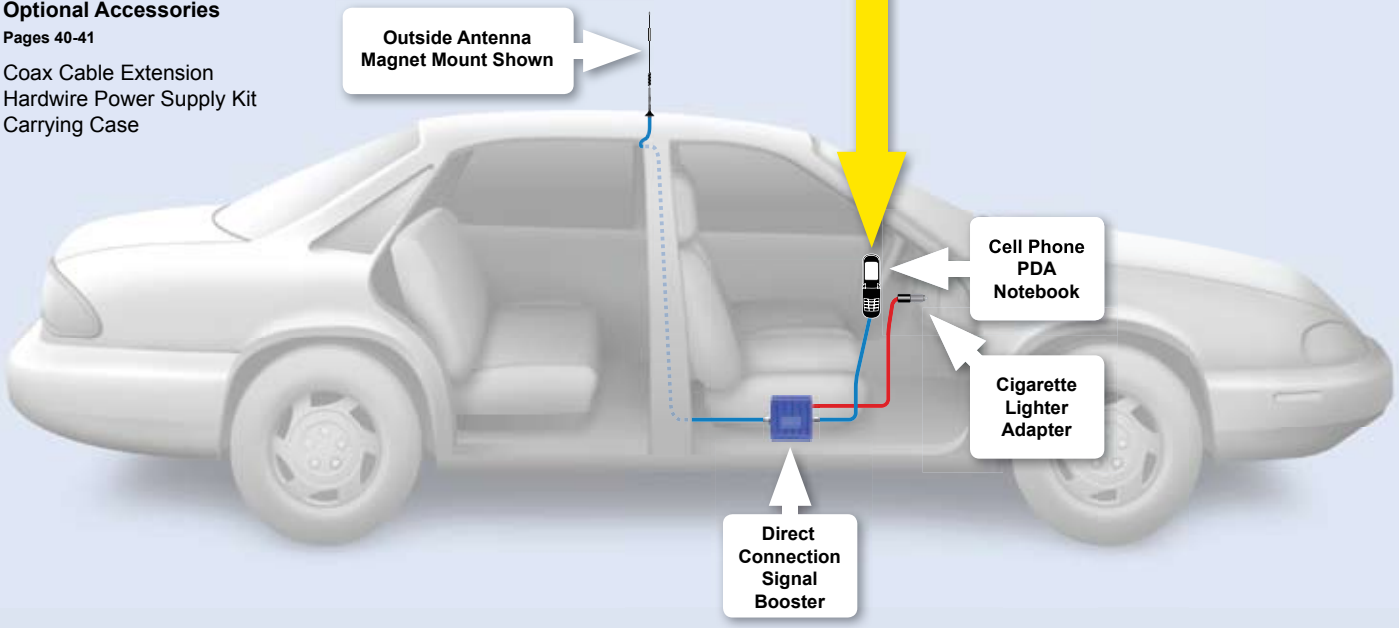
Optional Accessories
Pages 40-41

Coax Cable Extension
Hardwire Power Supply Kit
Carrying Case

IMPORTANT

A phone-specific adapter is needed with all direct connection signal boosters.

An up-to-date list can be found at **www.wilsonelectronics.com**



Wilson Electronics
Say Goodbye to Dropped Calls

Building Wireless Cellular Amplifiers
Professional Series

Versatile, Powerful Wireless Signal Boosters for Use in Homes, Offices and other Buildings

The performance of cell phones and laptop data cards can be compromised in many buildings due to concrete, stucco, or metal walls that block the cellular signals coming in and going out. To remedy that problem, Wilson offers a complete line of Building Wireless Signal Booster. Available in 50dB and 60dB models, and covering various frequency ranges, these indoor signal boosters support multiple cell phones and data cards simultaneously and are compatible with a wide variety of Wilson indoor and outdoor antennas. The result? A strong, reliable cell signal where you need it, at home or at work.

FEATURES

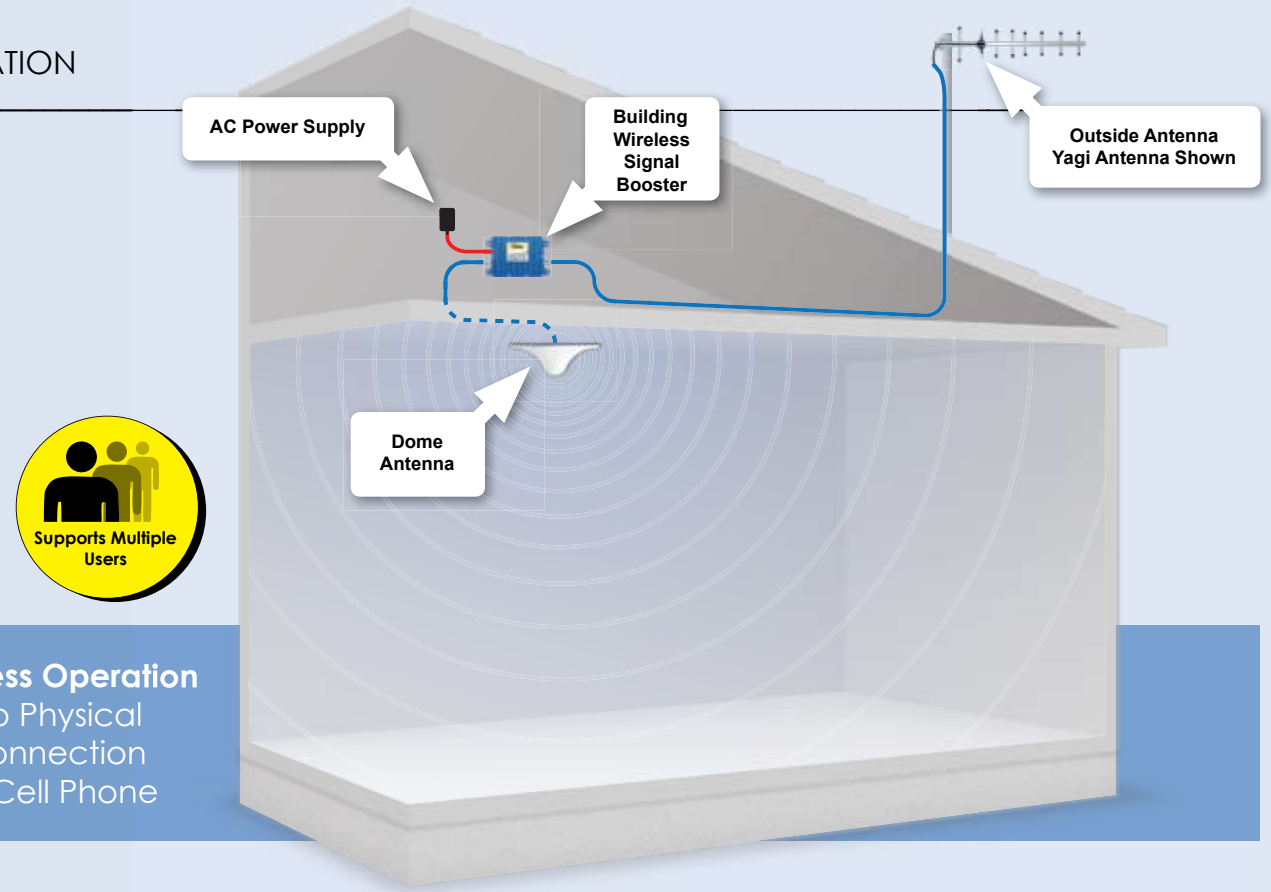
- Works with all cell phones and laptop data cards
- Significantly improves voice and data signal quality
- Receives and transmits better than your cell phone
- Extends cell phone battery life
- Works on all generations of CDMA, TDMA, GSM and high-speed data technologies.
- Improves data communication rates needed for 3G technologies
- Automatic gain control up to 50 dB
- 2 dB gain step 30-50 dB and 40-60 dB
- Automatic gain adjusting in the event of oscillation and/or overload.
- Gain indicator lights
- Automatic shutdown on overload
- Up to 3-watt power amplifier
- Power control logic ensures maximum output power is within cellular network standards
- Oscillation protection and shutdown auto reset
- FCC and IC type accepted

SPECIFICATIONS

Part Number	801105	801165 HOT	801108	801110	801365 HOT	804005	804006	801506	801606
Channel			A	B					
Gain (Rx/Tx)	50 dB	65 dB	60 dB	60 dB	65 dB	50 dB	60 dB	60 dB	
Frequency	824-849 MHz 869-894 MHz		824-835 MHz 869-880 MHz	835-849 MHz 880-894 MHz	1850-1990 MHz	806-824 MHz 851-869 MHz		880-915 MHz 925-960 MHz	1710-1785 MHz 1805-1880 MHz
Max Output Power	3 watts				2 watts	3 watts			2 watts
Max Downlink Power	3 watts				2 watts	3 watts			
Noise Figure	3 dB nominal				4 dB nominal	3 dB nominal		3 dB typical	
Flatness	±2.5 dB				±4 dB	±2.5 dB		±4 dB	
Isolation	> 90 dB				> 90 dB				
Power Requirements	6 V DC, 3 A max				6 V AC, 3 A max			6 V DC, 3 A	
Connectors	N-Female 50 ohms				N-Female 50 ohms				
Dimensions	5.6 x 3.6 x 1.7 (inches) 14.2 x 9.1 x 4.4 (cm)				5.6 x 3.6 x 1.7 (inch) 14.2 x 9.1 x 4.4 (cm)				
Weight	1.5 lbs / 0.7 kg				1.5 lbs / 0.7 kg				

HOT = Best Seller

INSTALLATION



Wilson Electronics

Say Goodbye to Dropped Calls

Building Wireless Cellular Amplifier

SIGNALBOOST™ **DB Pro** (75ohm)

Wilson's highest gain dual-band (800 &1900 MHz) wireless signal booster for use in homes, offices and other buildings.

The SignalBoost™ DB Pro cellular amplifier significantly improves voice and data performance of any cellular device on any network (Cellular and PCS) inside of buildings experiencing weak signal, such as: homes, fire stations, command posts, offices and other buildings. This 62 dB building signal booster combines high performance with ease of installation. The DB Pro booster can be used with an external omni-directional gain antenna with multiple mounting options that eliminates researching cell tower locations and antenna orientation. The internal dome or panel antennas can be ceiling or wall mounted and offer the ability to completely disguise the antenna on the inside of a building. All components are interconnected using readily available RG-6 Coax, which is often found pre-installed, simplifying cable runs.

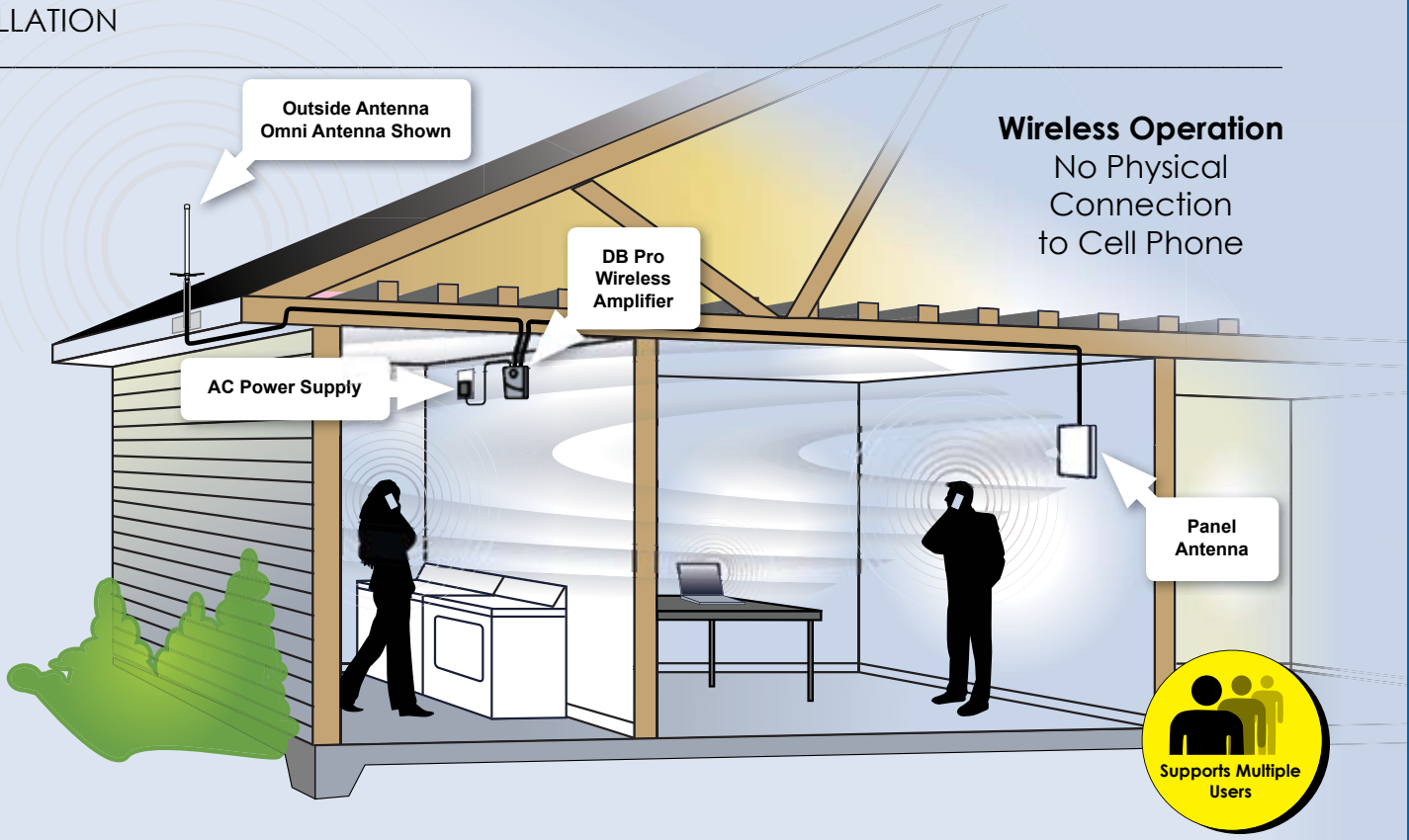
FEATURES

- Works with Cellular and PCS frequencies
- Significantly improves voice and data signal quality
- Works with multiple cell phones and data cards simultaneously
- Receives and transmits better than your cell phone
- Designed for use with standard RG6 (75 ohm) coax cable
- Works on all generations of CDMA, TDMA, GSM and high-speed data technologies
- Improves data communication rates needed for 3G technologies
- Extends cell phone battery life
- Automatic oscillation/overload protection
- FCC and IC type accepted
- Complete kit that includes the signal booster with all necessary antennas and coax cable is available.

SPECIFICATIONS

Part Number	**801262**
Frequency	824-894 MHz / 1850-1990 MHz
Gain	62 dB / 62 dB
Max Output Power	2.5 watts
Max RF (up/down)	34 dBm / 15.7 dBm
Noise Figure	3.5 dB nominal
Flatness	±5 dB
Isolation	> 90 dB
Power Requirements	120-240V AC, 50-60 Hz, 8 W
Connectors	F-Female
Dimensions	6.2 x 4.2 x 1.5 (inch) 15.7 x 10.7 x 3.8 (cm)
Weight	*0.64 lbs / 0.29 kg *Weight and dimensions are for amplifier only, for total kit weight contact your Wilson sales representative.

INSTALLATION



Wilson Electronics
Say Goodbye to Dropped Calls

800/1900 MHz

Small Office / Home Office (SOHO) Wireless Amplifier

SOHO Dual-Band Wireless Amplifier – Perfect for Small Offices, Home Offices, RV's and Buses

For users needing improved cellular performance in a small office or home office environment, Wilson's SOHO amplifier is a great solution. Offering dual-band (800/1900 MHz) compatibility, the wireless SOHO amplifier supports multiple cell phones and data cards simultaneously. It can be paired with a wide variety of Wilson indoor and outdoor antennas for a truly customized system. Depending on outside signal strength, the SOHO can improve cellular strength in a single room or an entire home.

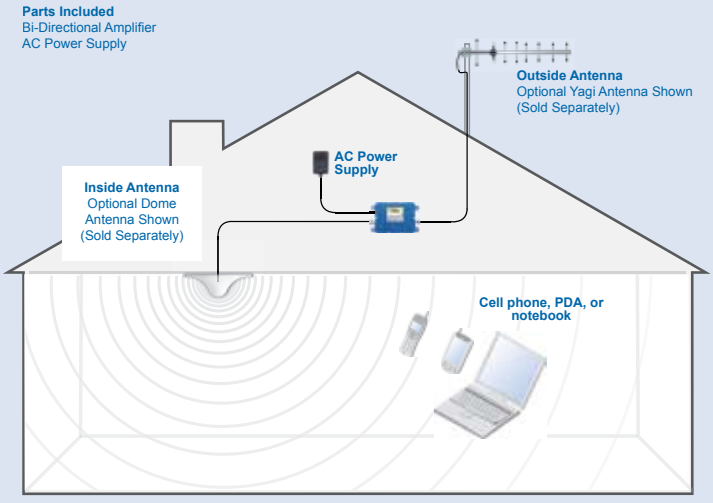
FEATURES

- Works on all generations of CDMA, TDMA, GSM and 3G technologies
- For 800 MHz Cellular and 1900 MHz PCS Bands
- Overload indicator lights
- Receiver sensitivity -110 dBm CDMA FER 1%
- AC power supply included
- FCC and IC type accepted
- Oscillation detection and gain reduction with auto reset intervals
- 3-watt power amplifier

SPECIFICATIONS

Part Number	**801245**
Frequency	824-894 MHz / 1850-1990 MHz
Gain	50 dB / 50 dB
Max Output Power	1.5 watts
Max RF (up/down)	31.1 dBm / +10 dBm
Noise Figure	3 dB / 4 dB nominal
Flatness	±5 dB
Isolation	> 90 dB
Power Requirements	6 V AC / 3 A max
Connectors	FME-Male 50 ohms
Dimensions	5.6 x 3.6 x 1.7 (inch) / 14.2 x 9.1 x 4.4 (cm)
Weight	1.5 lbs / 0.7 kg

INSTALLATION



Wireless operation - no physical connection to cell phone or cellular data card

Wilson Electronics
Say Goodbye to Dropped Calls

800/1900 MHz

SIGNALBOOST™ DT Dual-Band 800/1900 MHz Desktop Amplifier

For Small Office, Desk or Workspace Uses
Easy Set-up - Everything You Need is Included

FEATURES

- Amplifies signals to and from cell tower
- Up to 10 times more power than your cell phone
- Wireless operation
- Works with Cellular and PCS frequencies
- Supports multiple phones/data cards
- 20'+30' RG-6 cable for custom installation
- Plug-and-play kit
- Attractive, sleek design
- Automatic oscillation/overload protection
- FCC and IC type accepted

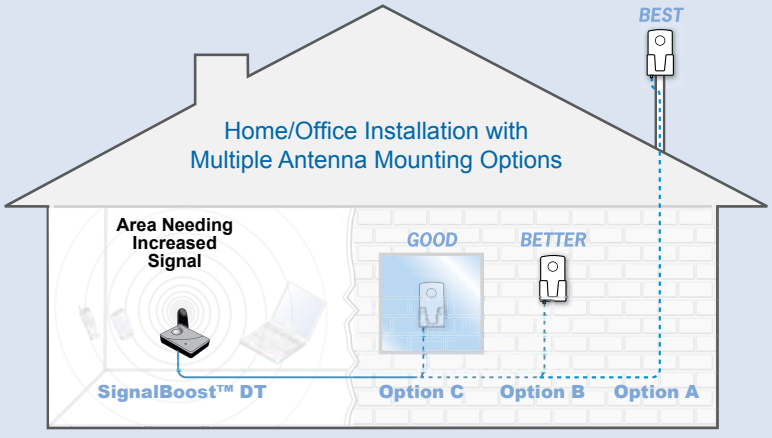
PACKAGE CONTENTS

Supports Multiple Users

SPECIFICATIONS

Part Number	**801247**
Frequency	824-894 MHz / 1850-1990 MHz
System Gain	55 dB
Max Output Power	2.5 watts
Max RF (downlink)	+9.5 dBm
Noise Figure	3.5 dB nominal
Flatness	±5 dB
Isolation	> 90 dB
Power Requirements	120-240V AC, 50-60 Hz, 8 W
Connectors	TNC Female / F-Female
Dimensions	6.2 x 4.2 x 1.5 (inch) 15.7 x 10.7 x 3.8 (cm)
Weight	0.64 lbs / 0.29 kg

INSTALLATION



Wireless operation - no physical connection to cell phone or cellular data card

MULTIPLE PLUG AND PLAY KIT COMPONENTS

801201 = 801201 + 301127

801212 = 301103 + 801201 + 301127

MOBILE WIRELESS

Wilson has taken its most popular signal booster, the Dual-Band Mobile Wireless, and combined it with several other top-selling components to create three rugged, high-performance kits.

- The 801201 features Wilson's new Low Profile interior vehicle antenna and is designed for users who want to choose their own outside antenna.
- For plug-and-play convenience, the 801212 includes the Low Profile interior antenna along with Wilson's best-selling 12-inch Magnet-Mount exterior antenna, an ideal combination for passenger cars, vans and light trucks.

811210 = 811210 + 301143

811211 = 301113 + 811210 + 301143

811214 = 301103 + 811210 + 301143 + 301146

SIGNALBOOST™

Wilson's affordable SignalBoost™ amplifier is the perfect choice for the user looking to improve cellular signals for a single cell phone or data card on the road or indoors. Wilson's new Ultra-Slim Antenna, included with all kits, attaches to any phone or data card – no equipment-specific adapter is required.

- The 811210 is Wilson's basic SignalBoost™ kit and is designed for users who prefer to select their own outside antenna.
- Wilson's compact Mini Magnet-Mount Antenna is included with the 811211. It attaches quickly and easily to a vehicle roof or to the optional window-mount bracket for building use.
- For a hands-free mobile application, the 811214 features Wilson's new Cradle Plus. Acting as a signal coupler, the Cradle Plus transfers the signal between the phone and the amplifier and is compatible with any hands-free device. For added versatility, the 811214 also includes the Ultra-Slim Antenna to facilitate the standard SignalBoost™ installation.

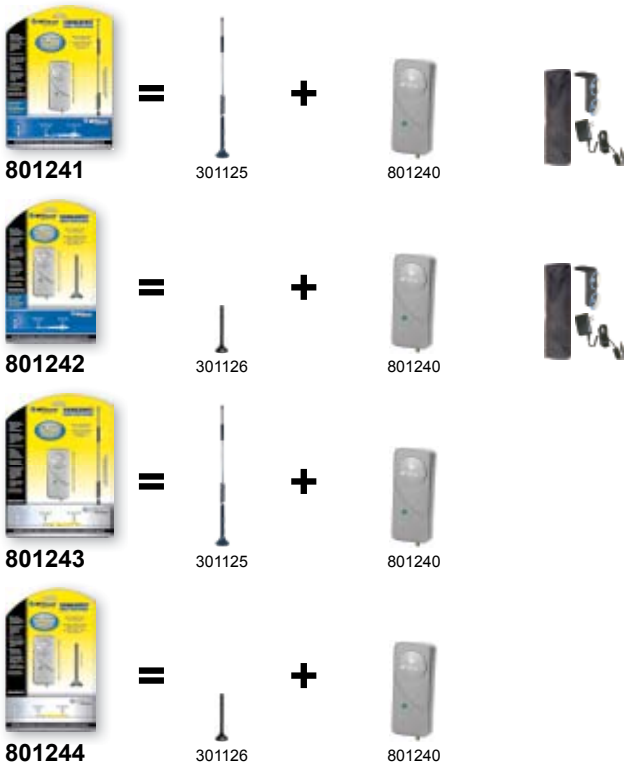
NOTE: 811710 & 811910 can also be put into kits upon request.

PLUG AND PLAY KIT COMPONENTS

SIGNALBOOST™ MINI-MOBILE

Wilson introduced the sleek new Mini-Mobile Signal Booster in 2008. With up to six times more power than a typical cell phone, the Mini-Mobile is available in four configurations.

- The 801230 features the Mini-Mobile signal booster and Wilson's new Ultra-Slim interior antenna. Users can choose their own exterior antenna.
- The 801232 is a complete, plug-and-play kit with a Magnet-Mount exterior antenna and Wilson's new Ultra-Slim interior antenna.



SIGNALBOOST™ MOBILE PROFESSIONAL

Unique to the industry, the SignalBoost™ Mobile Professional is an affordable, compact and portable signal booster system designed to improve cell phone and data card performance for people on the go. The slim booster unit incorporates a built-in interior antenna and packs up to three times the power of a typical cell phone. For added versatility, it can be powered through a computer USB port, a vehicle cigarette lighter or a standard AC wall outlet. Four plug-and-play kits are available.

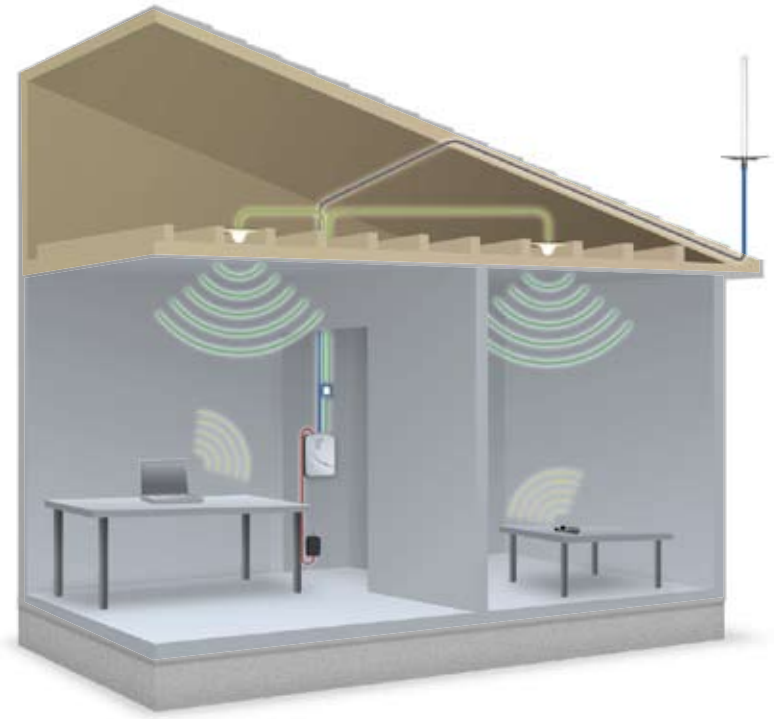
- The 801241 includes everything needed for improved cellular performance on the road and indoors. The package includes the booster itself, along with Wilson's popular 12-inch magnet-mount antenna, a suction-cup window bracket, all power options, and a convenient carrying case.
- For users desiring a lower profile antenna, the 801242 includes everything from the 801241 kit, but the 12-inch magnet-mount antenna is replaced with our four-inch mini magnet-mount antenna.
- The 801243 is designed for on-the-road use. It includes the 12-inch magnet-mount exterior antenna, but does not feature the in-building accessories.
- The 801244 is identical to the 801243, except that it features the five-inch mini magnet-mount exterior antenna, rather than the 12-inch version.

BUILDING

SMALL AREA OR
DESKTOP SOLUTIONS

SOLUTIONS

LARGE AREA OR
MULTIPLE ROOM SOLUTIONS



MEDIUM AREA OR
SINGLE ROOM SOLUTIONS

Wilson Electronics
Say Goodbye to Dropped Calls

Trucker Antennas

Rugged, High-Gain Trucker Antennas Deliver "Big-Rig" Performance

Professional drivers demand top performance from their equipment, and Wilson provides just that with its line of trucker antennas. Available in three models for alternative installations. These antennas offer the highest allowable gain, dual-band versatility (800/1900 MHz), and omnidirectional design. Engineered specifically for trucks and RVs, these popular antennas can also be used for fixed installation on buildings.

301101 / 301701 Trucker Mirror-Mount Antenna
19-inch fiberglass mast raises antenna above obstructions

301119 RV / Trucker Roof-Mount Antenna
5/8-inch x 7-inch threaded mounting rod spans the distance between roof and headliner

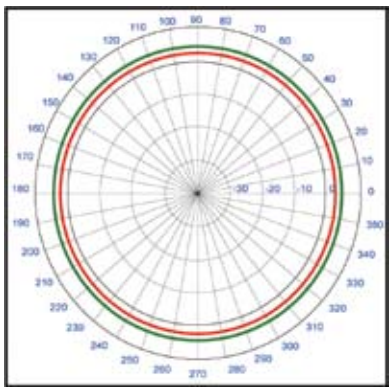
301133 RV / Trucker Spring-Mount Antenna
Built-in spring reduces impact damage

301130 Marine Antenna
Weatherproof and waterproof

800/1900 • 900/1800 MHz

FEATURES

- Mobile, marine and building use
- No ground plane required
  Built-in ground plane allows for use on any surface - metal, fiberglass, wood, etc.
- 19-inch fiberglass mast raises antenna above obstructions (301101)
- Mounting options available for any application



Radiation Patterns
H - Plane @ 850 MHz
H - Plane @ 1920 MHz

SPECIFICATIONS

	SEE PICTURE ON PAGE 28		SEE PICTURE ON PAGE 28	SEE PICTURE ON PAGE 28	SEE PICTURE ON PAGE 28
Part Number	**301101**	**301701**	**301119**	**301133**	**301130**
Frequency Range	800/1900 MHz	900/1800 MHz	806-894 MHz / 1850-1990 MHz		
Impedance	50 ohms				
Antenna Gain	5.12 dBi 806-894 MHz / 6.12 dBi 1850-1990 MHz				
Radiation	Omni				
Polarization	Vertical				
Ground Plane	Built-In Ground Plane				
Connector	FME Female				
Material	Whip - Stainless Steel / Extension - Fiberglass		Whip - Stainless Steel		Whip - Stainless Steel / Casing - Fiberglass
Coax Cable	RG58 - 10.5 feet / 3.2 meters		RG58 - 13.5 feet / 4.115 meters		RG58 - 7 inches
Height	32.0625 inches / 81.45 cm		18 inches (24 inches including threaded mount)	21.5 inches including spring mount / 54.61 cm	21 inches / 53.3 cm (including coupler)
Mount	Standard CB 3/8-inch x 24 Thread		5/8-inch x 7-inch Threaded Mounting Rod	3-Way Mount with Spade Stud Wilson Part# 901104	Standard 1-inch x 14 thread

Wilson Electronics
Say Goodbye to Dropped Calls

General Vehicular External Antennas

Stay Connected on the Road With Wilson's Mobile Antennas

Designed specifically for use with our mobile amplifiers, Wilson's wide range of vehicle antennas offers top-flight performance and multiple mounting options. Our best-selling magnet-mount antennas install in seconds and are transferable between vehicles. For a more permanent installation, users can choose from glass- or NMO-mount options.

FEATURES

- Mobile, marine and building use
- Perfect for cars, vans and light trucks

301103 • 301125 • 301128 • 301703 • 304202
Magnet-Mount Antenna
Removable - transfers from one vehicle to another

301113 • 301126 • 301131 • 301132
Mini Magnet-Mount Antennas
Removable - transfers from one vehicle to another

	Magnet Mount Antennas					Mini Magnet-Mount Antennas			
Part Number	HOT **301103**	**301125**	**301128**	**301703**	**304202**	**301113**	**301126**	**301131** WHITE	**301132** WHITE
Frequency Range (MHz)	806-894 / 896-940 / 1850-1990			900/1800	800/900/1900	806-894 / 900 / 1800 / 1850-1990			
Impedance	50 ohms					50 ohms			
Antenna Gain (MHz)	5.12 dBi 806-894 / 6.12 dBi 1850-1990					2.12 dBi 806-894 / 1.5 900 MHz 3.12 dBi 1850-1990 / 3.12 1800 MHz			
Radiation	Omni					Omni			
Polarization	Vertical					Vertical			
Ground Plane	Metal ground plane required					Metal ground plane required			
Connector	FME Female	SMA Male	TNC Male	FME Female	FME Female	FME Female	SMA Male	FME Male	N Male
Material	Whip - Stainless Steel					Whip - Plastic Coated Steel Wire			
Coax Cable	RG174 - 10 feet / 3.05 meters					RG174 - 10 feet / 3.05 meters			
Height	12.25 inches / 31.12 centimeters					4.175 inches / 10.60 centimeters			
Mount	Rare earth magnet					Rare earth magnet			

301102 • 301114 • 304201
Glass-Mount & Mini Glass-Mount Antennas
Permanent installation

301112 NMO Trucker Antenna
Same styling as our popular trucker antenna for NMO mounting

Glass-Mount & Mini Glass-Mount Antennas			NMO Trucker Antennas	NMO Antennas		
301102	**301114**	**304201**	**301112**	**301104**	**304203**	**301105**
806-894 MHz 1850-1990 MHz	806-894 MHz 1850-1990 MHz	806-866 MHz / 896-939 MHz 1850-1990 MHz	806-894 MHz / 1850-1990 MHz			800 MHz- 900 MHz
50 ohms			50 ohms			
3.5 dBi 806-894 MHz 4.8 dBi 1850-1990 MHz	1.4 dBi 806-894 MHz 2.4 dBi 1850-1990 MHz	3.5 dBi 806-939 MHz 896-939 MHz 4.5 dBi 1850-1990 MHz	4.9 dBi 806-894 MHz / 5.9 dBi 1850-1990 MHz			
Omni			Omni			
Vertical			Vertical			
Built-In Ground Plane			Metal ground plane required			
FME Female			FME Female			
Whip - Stainless Steel	Whip - Plastic Coated Steel Wire	Whip - Stainless Steel	Whip - Stainless Steel			
	RG58 - 14 feet 4.27 meters		sold separately	sold separately		
15 (inch) 38.10 (cm)	5.375 (inch) 13.65 (cm)	15 (inch) 38.10 (cm)	13.25 inches / 33.7 cm	13.88 inches / 35.3 cm		
	Glass mounting with 3M™ adhesive		**NMO Mount Types** (see NMO mount options on page 37)			

Wilson Electronics
Say Goodbye to Dropped Calls

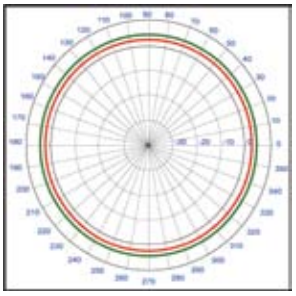
Low Profile & Ultra-Slim Antennas

800/1900 MHz • 900/1800 MHz
900/2100 MHz

FEATURES

- Low profile for discreet installation
- Multiple Uses
  Interior mounting as an external antenna in vehicles
  Interior antenna when used with Building amp
- Includes 3M™ adhesive for mounting to glass
  (do not mount on metal)

Radiation Patterns
Omni-directional when mounted vertically
H - Plane @ 850 MHz
H - Plane @ 1920 MHz



301106

301127

301143
301149

301208

Part Number	301106 (Building only)	301127	301143	301149	301208
Frequency	806-894 MHz / 1850-1990 MHz		806-960 MHz / 1700-2300 MHz		806-939 MHz 1850-1990 MHz
Impedance	50 ohms				
Antenna Gain	2.2 dBi 806-894 MHz 3.2 dBi 1850-1990 MHz		3 dBi (800 MHz) 2 dBi (1900 MHz)		1 dBi (800 MHz) 15dB f/b 2 dBi (1900 MHz) 7dB f/b
Radiation	Omni when mounted vertically				120° H Plane
Polarization	Vertical				
Connector	FME Female		FME Female	SMA Male	FME Female
Coax Cable	RG58 - 14 feet / 4.27 meters	RG174 - 14 feet / 4.27 meters	RG174 - 7.5 feet 2.29 meters		RG174 - 5 feet 1.524 meters
Length	5 in. / 12.7 cm.		3.25 in. / 8.26 cm.		5.13 in. / 13 cm.
Width	1.5 inches / 3.8 cm				1.56 in. / 4 cm.
Building Mount	Minimum 6 inches away from metal				

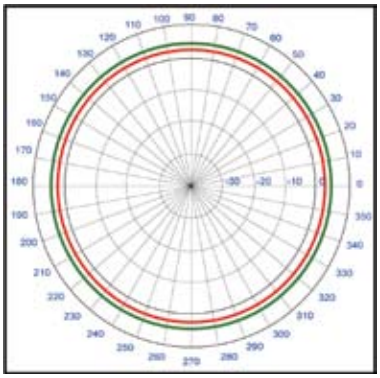
Wilson Electronics
Say Goodbye to Dropped Calls

Cradle Plus Antennas

800/900/1800/1900/2100 MHz

Hands-Free Safety and Convenience

Wilson's innovative Cradle Plus features a built-in inside antenna that works with Wilson SIGNALBOOST™ amplifiers. When placed in the Cradle Plus, a cell phone benefits from the maximum possible signal improvement from the booster system, due to the proximity of the built-in antenna.



Radiation Patterns
H - Plane @ 850 MHz
H - Plane @ 1920 MHz

FEATURES

- Compatible with all cell phones
- Increases driver safety
- Supports any hands-free device, including ear-buds and Bluetooth® products
- Adjustable to fit any size cell phone
- Multiple mounting options: console, dashboard or windshield
- Installs in minutes

SPECIFICATIONS

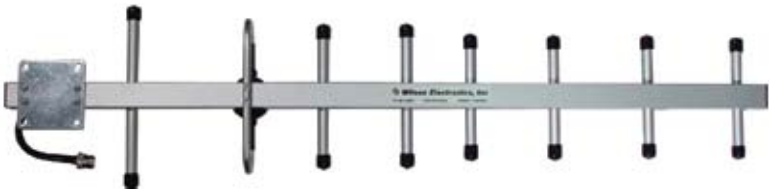
Part Number	301146	301148
Frequency Range	806-960 MHz / 1700-2100 MHz	
Impedance	50 ohms	
Connector	FME Female	SMA Male
Coax Cable	RG 174 - 7.5 feet	
Length	4.125 in / 10.5 cm	
Width	2.875-4.5 in / 7.3-11.4 cm	

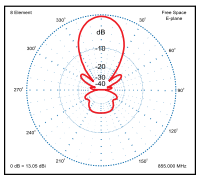
Wilson Electronics
Say Goodbye to Dropped Calls

800 • 800/900 • 900 MHz
1900 MHz

Yagi Antennas

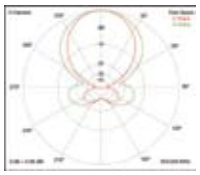
Durable, high-gain, directional antennas





301111 Yagi

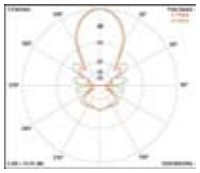
Our highest gain antenna for the 800 MHz band



301129 Yagi 800 MHz

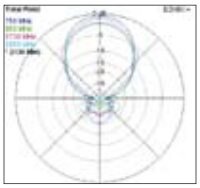
301142 Yagi 900 MHz

Lower profile, lighter alternatives for 800 and 900 MHz



301124 Yagi

Our highest gain antenna for the 1900 MHz band



304411

Wide Band
Directional Antenna

SPECIFICATIONS

Part Number	301111	301129	301142	301124	304411
Number of Elements	8	5		9	9
Frequency	806-900 MHz	800-900 MHz	880-965 MHz	1850-1990 MHz	800-2500 MHz* *700-2500 MHz coming soon
Impedance	50 ohms	50 ohms		50 ohms	50 ohms
Antenna Gain	13 dBi	10 dBi		14 dBi	8.0-10.5 dBi
Max Power	50 watts	10 watts		25 watts	100 watts
Radiation	Directional				Directional
Polarization	Vertical				Vertical
Connector	N Female	N Female		N Female	N Female
Material	Aluminum				
Length	32.5 inches / 82.6 centimeters	14.4 inches / 37 centimeters (with mount)		16.8 inches / 43 centimeters (with mount)	11.42 inches / 29 centimeters
Weight	2.9 ounces / 0.081 kg (with mount)			3.0 ounces / 0.086 kg (with mount)	3.31 lbs 1.5 Kg
Mount	Mounts on pipe with 0.5 inch to 1.5 inch diameter				
Wind Surface Area	<100 cm^2			<120 cm^2	<465 cm^2
Brackets	Max OD 2 inches				

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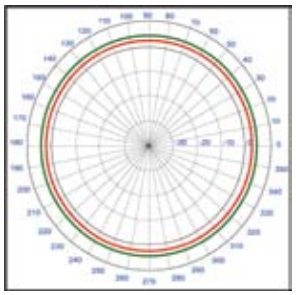
Building Antennas

800/1900 • 800/900 MHz
800/2100 MHz

FEATURES

- Built-in ground plane
- Mounting hardware included
- For fixed installations

Radiation Patterns
Omni-directional when mounted vertically
H - Plane @ 850 MHz
H - Plane @ 1920 MHz



301121
301151

301123

301134 (includes suction cups)
301135
301155 (75 ohm)
301157 (weatherproof)

301141

301201
301202

Interior Antennas

Exterior Antennas

SPECIFICATIONS

Part Number	301121	301151	301123	301134 (includes suction cups) / 301135	301157 (weather proof)	301155 (75 ohm)	301141	301201	301202
Frequency	800-910 MHz 1800-1990 MHz		800-910 MHz	800-960 MHz 1710-2500 MHz			806-894 MHz 1850-1990 MHz	806-894 MHz 1850-1990 MHz	
Impedance	50 ohms	75 ohms	50 ohms	50 ohms		75 ohms	75 ohms	75 ohms	50 ohms
Polarization	Vertical		Horizontal and Vertical	Vertical			Vertical	Vertical	
Antenna Gain	2.5 dBi		5.2 dBi	7 dBi / 10 dBi			5 dBi / 7 dBi	5.12 dBi / 6.12 dBi	
Max Power	50 watts						15 watts	25 watts	
Beamwidth Hor. Plane	360°		360°	70°			100°	360°	
Beamwidth Ver. Plane	120°		120°	50°/45°			100°	60°	
VSWR	1.5:1		1.5:1	1.5:1			2.0:1 (800) 1.8:1 (1900)	1.8:1	
Connector	N-Female	F-Female	N-Female	N-Female		F-Female	F-Female	F-Female	FME-Female
Dimensions	**Diameter** 8 inches / 20.32 cm		**Diameter** 7.72 inches / 19.6 cm	8.27 x 7.09 x 1.73 inches 21 x 18 x 4.39 cm			7.75 x 4.38 x 2.63 inches 19.7 x 11.1 x 6.7 cm	18 inches	
Ground Plane	Built-In Ground Plane						None Required	Built-In Ground Plane	
Front to Back Ratio	N/A					20/15 dB typical	11/14 dB typical	N/A	

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Antenna Adapter Type Descriptions

Back Plug
Plugs into the adapter port on the upper back portion of the phone. A rubber or plastic plug may need to be removed. Press firmly to ensure a good connection - do not twist. Using too much force could damage the phone.

Top Plug
Plugs into the adapter port on the top of the phone. A rubber plug may need to be removed. Press firmly to ensure a good connection - do not twist. Using too much force could damage the phone.

Bottom Plug
Plugs into the bottom of the cell phone. Push until there is a click. Press button(s) in middle or on sides to release connector from the phone. Note: an RF charger may be available for the phone - it will allow charging of the phone while using the external antenna.

Cellular Data Cards
Adapter plugs into the adapter port on the end of the cellular data card or plugs in as an antenna replacement. Check the model for a specific adapter type.

Ring
Slides onto the base of the cellular phone's built in antenna. Press down firmly to ensure a good connection. Be sure to lower the phone's built-in antenna.

Sleeve
Snaps onto the back of the cellular phone. The sleeve must be mounted to the top of the phone. The sleeve may fit upside down but it will not function properly.

Back Plug with Replacement Antenna
(1&2) Unscrew the original antenna that is blocking the adapter port - may have reversed threads. (3) Screw the included replacement antenna into the top of the phone. The antenna adapter will now fit into the back of the phone - see above for Back Plug instructions.

Top Screw
This antenna adapter replaces the cellular phone's original antenna. Unscrew the original antenna and screw in the antenna adapter. Be sure to save the original antenna - it will be needed after disconnecting the antenna adapter.

Side Plug
Plugs into the adapter port on the upper-side of the phone. A rubber plug may need to be removed. Press firmly to ensure a good connection - do not twist. Using too much force could damage the phone.

Top Ring with Plug
Slide onto the base of the cellular phone's built-in antenna while aligning the plug with the adapter port. Press down firmly to ensure a good connection.

Back Replacement
Remove the rubber Nextel cover. Remove the 2 screws using the included Torx T8 bit. Attach the new adapter plate using the provided Phillips screws. Tighten left screw then the right. When the adapter is pushed into the back of the phone it should snap into place.

Back Plate
Place included VELCRO® on back top of phone as shown. Attach adapter to VELCRO®.
Note: Also works with cellular data cards.

Top Replacement Antenna
(1) Pry off plastic cap. Depress plastic tab inside hole while forcefully pulling out the original antenna. (2) Insert adapter plug into phone with wires facing phone. (4) Screw adapter into top of phone. (3) This replacement antenna is needed after disconnecting the antenna adapter.

Printer Adapter Guide Available

TECH SUPPORT

1) Call Toll-Free 866-294-1660
2) E-mail tech@wilsonelectronics.com
3) Visit ***www.wilsonelectronics.com***

For more details and the latest information regarding adapters visit ***www.wilsonelectronics.com***

Mounts & Replacement Parts

901101 NMO TRUNK MOUNT
- Requires NMO Antenna (sold separately)
- 14 feet RG-58U Cable
- FME-Female Connector
- Attaches on the lip of a trunk lid or similar surface

901102 3/4-inch NMO Mount
- Requires NMO Antenna (sold separately)
- Requires ¾-inch hole in sheet metal surface for connection
- 14 feet RG-58U Cable
- FME-Female Connector

901103 3/8-inch NMO Mount
- Requires NMO Antenna (sold separately)
- Requires 3/8-inch hole in sheet metal surface for connection
- 14 feet RG-58U Cable
- FME-Female Connector

901119 Marine Antenna Mount
- For use with the Marine Antenna to mount on various surfaces
- Features standard 1 inch x 14 threaded mount

901104 3-Way Mount with Spade Stud
- Compatible with Wilson Cellular Trucker Antennas (301101) and (301133)
- 3/8-24 thread
- 5 millimeter chrome-plated aluminum
- Hardware included

901106 Horizontal Mount with Spade Stud
- Compatible with Wilson Trucker Antennas (301101) and (301133)
- 3/8-24 thread
- 5 millimeter chrome-plated aluminum
- Hardware included

901128 Window-Mount Antenna Bracket
- For use with Magnet-Mount and Mini Magnet-Mount Antennas
- Suction cups attach to inside surface of window; antenna mounts on horizontal platform

859931 Ground Plane
- For use with Magnet-Mount and Mini Magnet-Mount Antennas
- White metal, 3.5 inches in diameter

901124 Omni Antenna Building Mounting Bracket
- Allows for easy mounting of the Omni-directional Antenna (301201, 301202) on the outside of a building.
- Includes hardware for mounting on a pole, fascia, roof, wall, etc.

901125 In-Ceiling Dual-band Dome Antenna Bracket
- Compatible with the Wilson Dual-Band Dome Antenna (301121)
- Allows for mounting the dome antenna in the attic.

901123 In-Wall Panel Antenna Mount
- Compatible with the Wilson Panel Antenna (301135, 301155).
- Bracket can be inserted into an interior wall.
- Features a paintable cover.

301147 Panel Antenna Upgrade Kit for the Desktop Amplifier (801247)
- Includes Panel Antenna, 20' white RG6 coax cable, N-male to F-female & F-female to TNC-male connectors.

901130 Cup Holder Car Mount for use with Wilson MobilePro, Cradles & Cradle Amplifiers

901131 Low Profile Adjustable Suction Cup Car or Table Mount for use with Wilson MobilePro, Cradles & Cradle Amplifiers

901132 Adjustable Suction Cup Car or Table Mount for use with Wilson MobilePro, Cradles & Cradle Amplifiers

901117 Antenna Pole Mounting Assembly
- Includes
  100183 U-Bracket assembly
  100197 Wall mount bracket
  100232 10" Length x 1.5" Diameter Aluminum Tube

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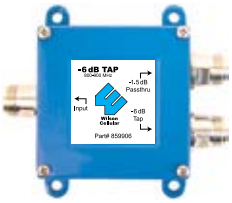
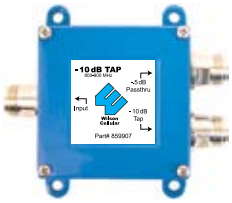
TAPS



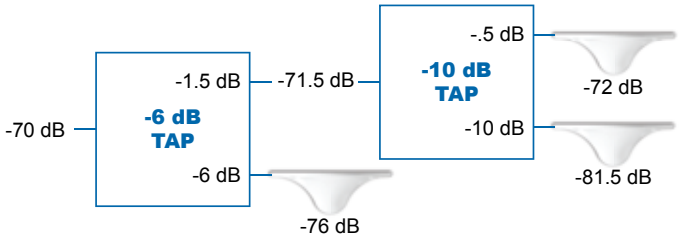
-6 dB Tap
800-900 MHz
859906



-10 dB Tap
800-900 MHz
859907

When to use taps

For use in signal distribution systems to split the amplified signal for multiple inside antennas with minimum signal loss or for controlling the amount of signal in small versus large areas. Features low-loss signal throughput with one -6 dB or -10 dB tap. Weatherproof case for indoor or outdoor use.



SPLITTER

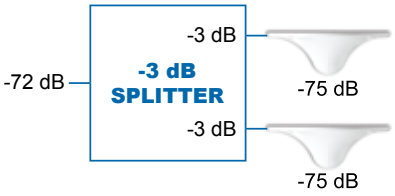
-3 dB Splitter
800-900 MHz
859901

-3 dB Splitter
1900 MHz
859928

-3 dB Splitter
700-2300 MHz
859957
859959 (75ohm)

When to use splitters

For use in signal distribution systems to split the amplified signal with minimum signal loss. Equal amounts of signal sent to two antennas for similarly sized areas. Weatherproof case for indoor or outdoor use.

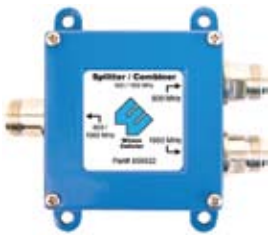


LIGHTNING PROTECTION

Lightning Surge Protector
859902

- N-Female Connectors
- Weatherproof
- Attenuation less than 0.2 dB
- Frequency range up to 3 GHz
- Replaceable gas discharge element (859920)

COMBINER/DIPLEXER



Dual-Band Combiner/Diplexer
859922

- Equal amounts of signal sent to two antennas for similarly sized areas
- Each output port loses .5 dB
- 800-900 MHz & 1850-1990 MHz bands (Cellular, iDEN & PCS)
- N-Female Connectors
- Can connect two outside antennas to one amplifier or two amplifiers to one inside antenna

CONNECTORS

971103

971104

971105

971106

971110

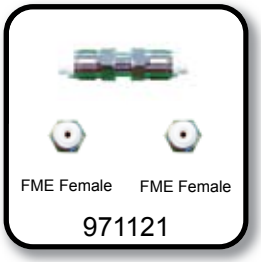
971107

971108

971113

Used to connect (2) 9913 coax with N Male adapters together
971117

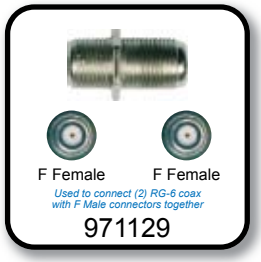
971119



971121

971128

971130



Used to connect (2) RG-6 coax with F Male connectors together
971129

CRIMP CONNECTORS


N Male Crimp
for 9913 or RG 8u Cable
971109


FME Male Crimp
for RG 58 Cable
971115


Mini UHF Female
Crimp for RG 174 Cable
971118


TNC Male Crimp
for RG 58 Cable
971111


FME Female Crimp
for RG 58 Cable
971114


FME Female Crimp
for RG 174 Cable
971120


Mini UHF Male Crimp
for RG 58 Cable
971112


N Male Crimp
for RG 58 Cable
971116


Male SMA Crimp
for RG 58 Cable
971131

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Coaxial Cables

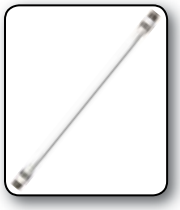
RG58 Low-Loss Coaxial Cable FME-Male / FME-Female

951101	5-feet
951102	10-feet
951103	15-feet
951125	20-feet

white coax

Wilson 400 Ultra Low-Loss Coaxial Cable N-Male / N-Male

952302	2-feet
952310	10-feet
952320	20-feet
952330	30-feet
952350	50-feet
952375	75-feet
952300	100-feet



Flat Coax - White

951129	8¾-inches (75 ohm)

RG58 Low-Loss Coaxial Cable N-Male / FME-Female

951110	2-feet
951120	10-feet
951104	20-feet

RG-174 Coaxial Cable FME-Female / FME-Female

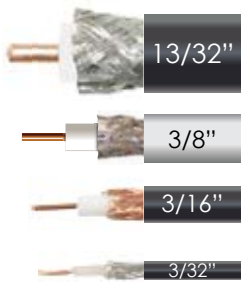
951116	6-feet

Attenuators

859935	3dB
859936	6dB
859926	10dB
859927	20dB

RG-6 Low-Loss White Coaxial Cable F-Male / F-Male

950602	2-feet
950620	20-feet
950630	30-feet
950650	50-feet



	LOSS PER 10' 800 MHz	LOSS PER 10' 1900 MHz
Wilson 400	.45 dB	.7 dB
RG-6	.83	1.35
RG-58 Cable	1.0 dB	2.66 dB
RG-174 Cable	3.58 dB	6.66 dB

Portable Signal Booster Vented Soft Carrying Case

- Designed to help protect your signal booster
- Sturdy, shock-absorbing material
- Keeps components together and organized
- Quick and easy access
- Mobile to Mobile
- Mobile to Home/Office
- Bag only - all components sold separately

Part Number	859924
Dimensions	10.5 x 9.5 x 2.5 (inch) 26.67 x 24.13 x 6.35 (cm)

Power Supplies

BUILDING POWER SUPPLIES

859903	AC/DC 12 V Power Supply Converts 120/240 V AC to 12 V DC	811101 811201 811210 811211 811214 811215 812201 801101 811701 811901 811710 811910
859940	Home/Office Accessory Kit AC/DC 12 V Power Supply Converts 120/240 V AC to 12 V DC Window Mount Antenna Bracket	811101 811201 811210 811211 811214 811215 812201 801101 811701 811901 811710 811910
859912	AC/DC 6 V Power Supply Converts 120/240 V AC to 6 V DC	801105 801106 801201 801212 801213 801215 801306 801506 801606 804005 804006 801247 801230 801231 801232 801233 801245 801262
859953	AC/DC 5V USB Power Supply (USB cable not included)	801240 801241 801242 801243 801244
859962	6' USB cable for Power Supply	801240 801241 801242 801243 801244

VEHICLE POWER SUPPLIES

859913	DC/DC 6 V Power Supply Converts 12 V DC to 6 V DC	801105 801106 801201 801212 801213 801215 801245 801306 801506 801606 804005 804006 801230 801231 801232 801233
859904	DC 12 V Power Supply	811101 811201 811210 811211 811214 811215 812201 801101 811701 811901 811710 811910
859905	DC 12 V Hardwire Kit Power Supply	811101 811201 811210 811211 811214 811215 812201 801101 811701 811901 811710 811910
859923	DC/DC 6 V Hardwire Kit Power Supply Converts 12 V DC to 6 V DC	801105 801106 801201 801212 801213 801215 801306 801506 801606 804005 804006
859939	DC 12 V Hardwire Kit Power Supply (iDEN High-Power Amplifier)	814021
859945	DC/DC 6 V Power Supply	801230 801231 801232 801233
859961	6V CLA Power Supply	805200 805205
859949	CLA USB 5V Power Supply (USB cable not included)	801240 801241 801242 801243 801244
859963	CLA Power Supply with 3' USB Cable for C-Booster and U-Booster Cradle Amplifier	805206 805221

Wilson Electronics Product Catalog

3301 East Deseret Drive, St. George, Utah 84790
Sales: 866-294-6996 Local: 435-673-5021
Fax: 435-656-2432

Tech Support: 866-294-1660
tech@wilsonelectronics.com
info@wilsonelectronics.com

www.wilsonelectronics.com

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