

WILSON ELECTRONICS PRODUCT CATALOG

INDUSTRY LEADING CELLULAR SIGNAL
BOOSTERS & ANTENNAS











ENGINEERING • EXPERIENCE • EXCELLENCE

Wilson Electronics, LLC has been a leader in the wireless communications industry for more than 40 years. The company designs and manufactures signal boosters, antennas and related components that significantly improve cellular signal reception and transmission in a wide variety of applications, including mobile, indoors and M2M. For its signal boosters, Wilson Electronics uses double-shielded RF enclosures and cell tower simulators for compliance testing. With extensive experience in antenna and signal booster research and design, the company's engineering team uses a state-of-the-art testing laboratory, including an anechoic chamber and network analyzers, to fine-tune antenna designs and performance. All products are engineered and assembled in the company's 76,000-square-foot headquarters in St. George, Utah, and wear the label MADE IN THE USA. Wilson Electronics has product dealers in all 50 states as well as in countries throughout the world.

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SYMBOL INDEX

-  Passenger Vehicles
-  Commercial Vehicles
-  Recreational Vehicles
-  Residential Buildings
-  Industrial / Commercial Buildings
-  Marine Craft
-  Machine to Machine

ALL WILSON BOOSTERS INCLUDE THESE STANDARD FEATURES

- Boosts both voice and data communications
- Provides a strong, reliable signal in weak signal areas
- Extends device battery life

WARRANTY INFORMATION

30-Day Money-Back Guarantee

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

Antenna Warranty

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

Signal Booster 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 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. 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.

Failure to use a surge protected AC Power Strip with at least 1000 Joule rating will void your warranty.

RMA numbers may be obtained by contacting Technical Support at 1-866-294-6996.

THE PROBLEM Dropped Calls and Slow Data Rates



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

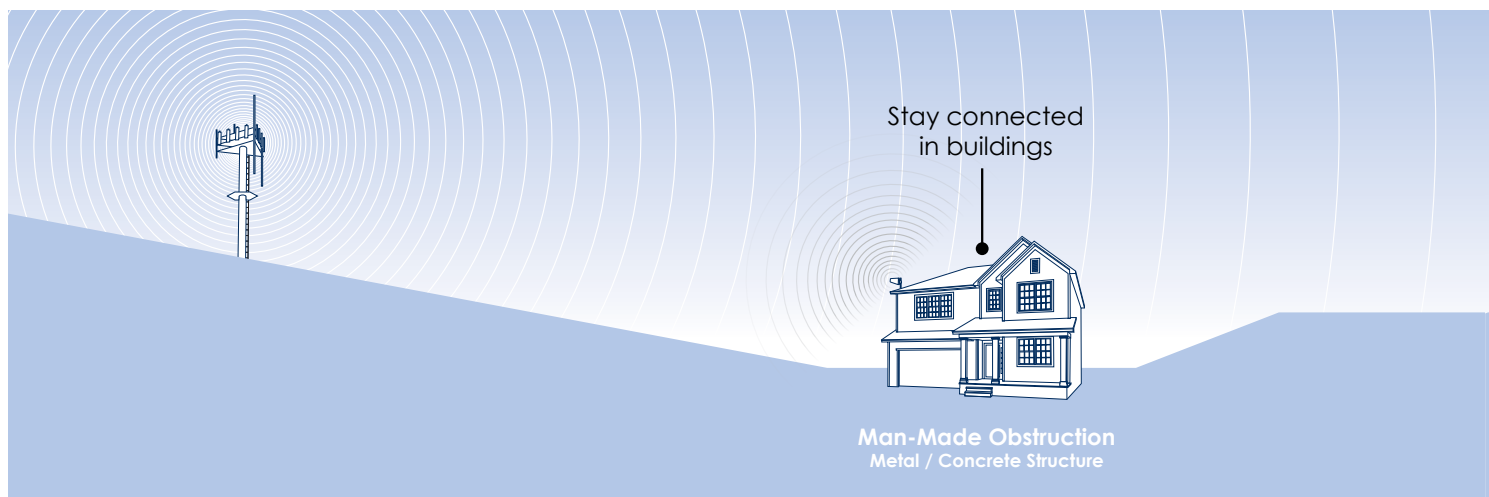
Reasons for Dropped Calls and Slow Data Rates

- **Natural and Man-Made Obstructions**

Hills, trees, valleys and buildings all interfere with the quality of the cellular signal between your phone or data card and the cell tower. Stucco and concrete walls used in homes, offices and other buildings block cellular signals, making it difficult to receive a strong cellular signal. You may be relatively close to a cell tower but unable to connect because of obstructions.

- **Location of the Nearest Cell Tower**

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.



THE SOLUTION Wilson Boosts Your Cellular Signal

Wilson Electronics cellular boosters eliminate the frustration of dropped calls, limited range and slow data rates by amplifying incoming and outgoing cellular signals in both mobile and building situations. With a reputation as the finest in the business, our boosters and antennas are expertly engineered to detect and amplify weak incoming signals your cellular device could miss.

Product testing proves that Wilson signal boosters lead the industry with:

- **The highest receiver sensitivity: Captures weak and distant cellular signals**
- **The highest allowable power output: Reaches distant cell towers**

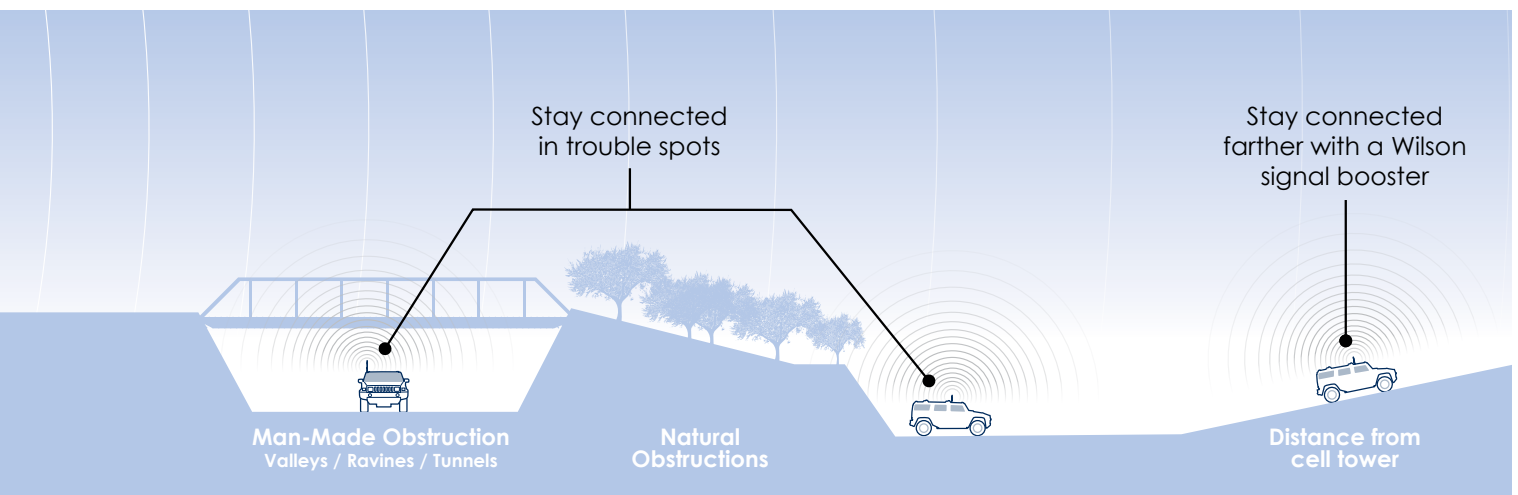
Wilson's wide range of plug-and-play packages and individual products for custom installations offer great value and ensures reliable cellular communication at work, at home and on the go.



The Sleek® 4G
460107



For people who rely on their cell phone or data card for business, connectivity can affect the outcome of important business decisions or relationships.



STAY CONNECTED On The Go

**CAR
TRUCK
RV
EMS
BOAT**

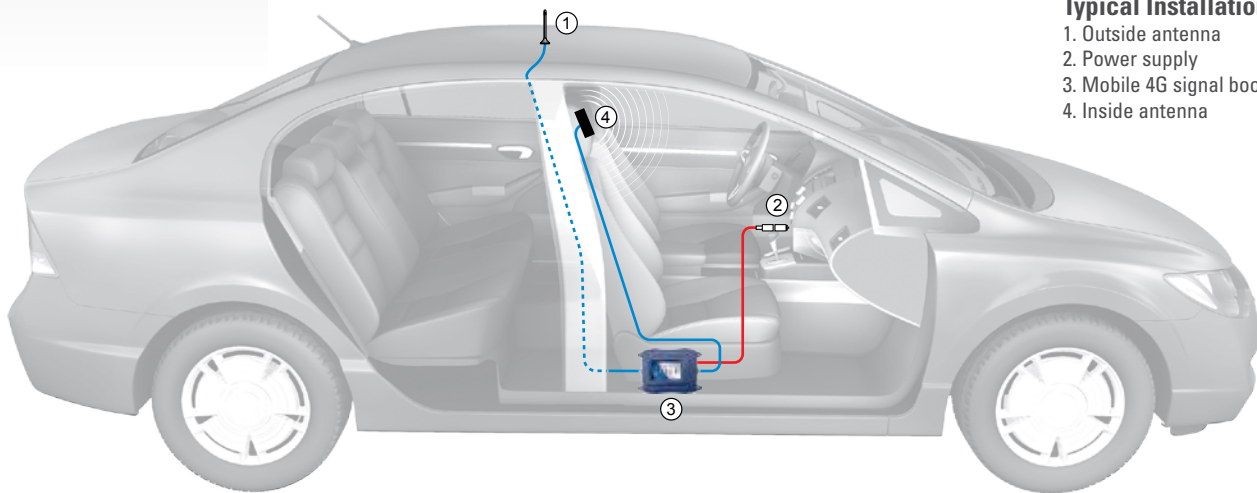
Mobile Solutions

Whether you're traveling on land or at sea, Wilson Electronics offers a full line of high-performance mobile Signal Boosters and antennas to give you a strong, reliable cellular signal.

Wilson Electronics manufactures powerful cell phone signal boosters for all service providers.

HOW IT WORKS

- An outside antenna collects weak cellular signals and sends them to the booster.
- The booster amplifies those signals and retransmits them to the cellular device through the inside antenna.
- The process is then reversed and the amplified signals are transmitted back to the cell tower.



Typical Installation

1. Outside antenna
2. Power supply
3. Mobile 4G signal booster
4. Inside antenna

SINGLE DEVICE - Sleek® 4G (460107)

Wilson Electronics Sleek® 4G booster improves both voice and data performance. 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 all carriers.



Multi-Device - MobilePro® (460113)

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

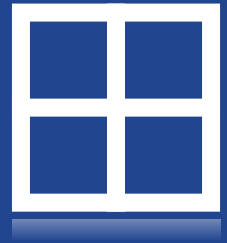


Multi-Device - Mobile 4G (460108)

Wilson Electronics most popular mobile signal booster combines with the outside Magnet Mount antenna and inside Low Profile antenna for a high performance multi-user option.



STAY CONNECTED Indoors



APARTMENT
MULTI-ROOM
WHOLE HOME
LARGE HOME
SMALL BLDG

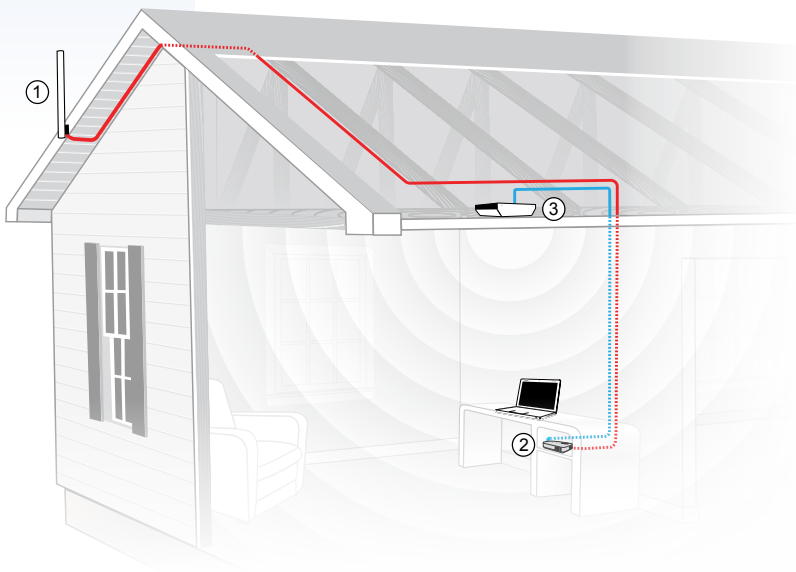
Building Solutions

In the office, at home or in a building, Wilson Electronics offers a full line of high-performance in-building Signal Boosters and antennas to give you a strong, reliable cellular signal.

- Wilson Electronics manufactures building signal boosters and antennas to improve cell phone performance in a single room, an entire home or a large building, such as a warehouse.

HOW IT WORKS

- A typical wireless building system includes an outside antenna that detects weak cellular signals and sends them to the booster.
- Powered through a standard wall outlet, the booster amplifies those signals and sends them to the inside antenna, which communicates the stronger signal to the cellular devices.
- When a device transmits, the process is reversed.



Typical Wireless Installation

1. Outside antenna
2. Signal Booster
3. Inside antenna

Multi-Room - DT4G™ (460101)

A Best Seller! Improve cellular device performance in your home or office — anywhere you need a stronger signal indoors!



Whole House - DB Pro™ 4G (460103)

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



MOBILE SOLUTIONS

WILSON ELECTRONICS HAS A SOLUTION
FOR EVERY MOBILE APPLICATION



Sleek® 4G

FEATURES

- Reduces dropped calls, extends signal range, and increases 4G data rates
- Extends cell phone battery life
- Works with all carriers in North America
- Adjustable to fit any size cell phone or MiFi® card
- Installs in minutes – no special tools required
- Complete kit; booster, 12V power cord & antenna with 12.5 foot cable
- Supports hands-free operation
- Built-in battery charging port
- Optional antennas for fiberglass-sided vehicles
- Two year warranty - with registration
- FCC and IC Type Accepted



SPECIFICATIONS

Part Number	460107 / 460107f	
Frequency	BAND 12/17	700 MHz
	BAND 13	700 MHz
	BAND 5	850 MHz
	BAND 4	1700/2100 MHz
	BAND 25/2	1900 MHz
Max Gain	23 dB	
Connectors	Antenna: SMA Female • Power supply: Mini USB	
Dimensions	2.25 x 4.25 x 2.5 in / 5 x 9.5 x 5.6 cm	
Weight	2.5 oz / 0.07 kg	
Power Supply	5V DC vehicle power supply	

Note: for additional specifications refer to product installation manual found online

PACKAGE CONTENTS

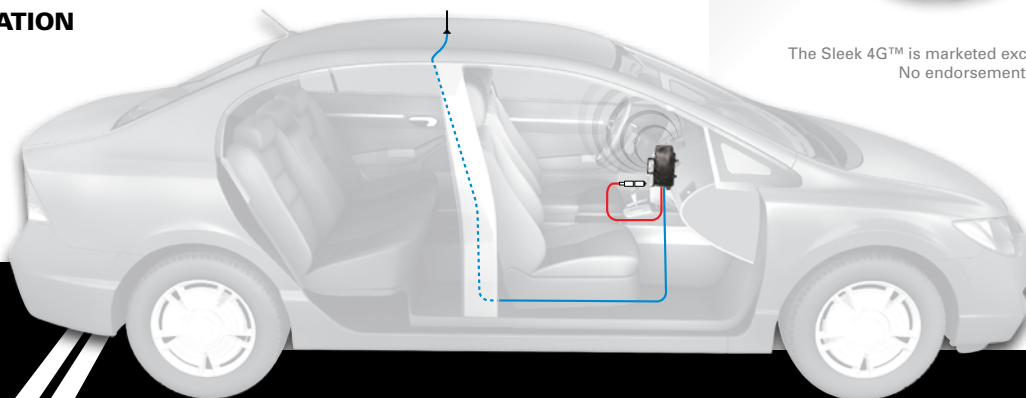


Optional in-home accessory kit - 859970



The Sleek 4G™ is marketed exclusively by Wilson Electronics.
No endorsement by any other entity is implied.

INSTALLATION



MOBILE



Sleek® 3G

FEATURES

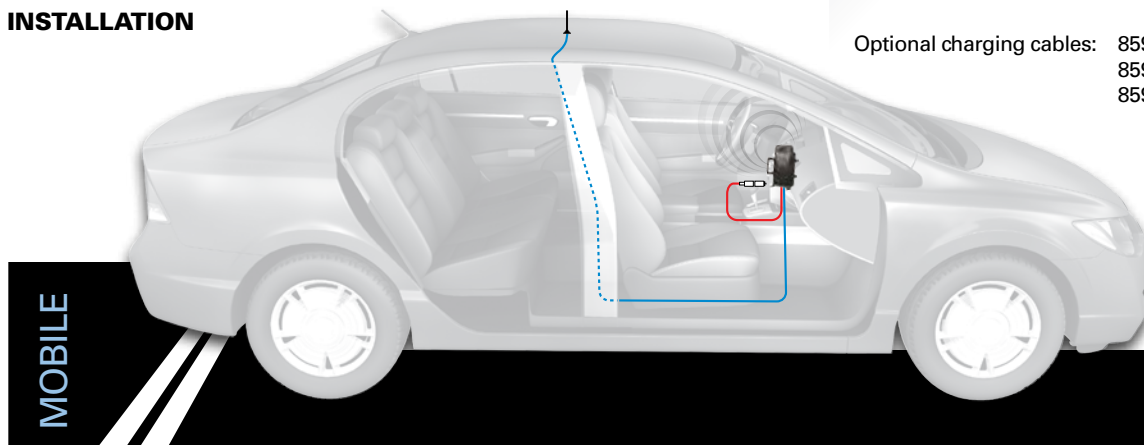
- Reduces dropped calls, extends signal range, and increases 3G data rates
- Extends cell phone battery life
- Works with all carriers in North America
- Adjustable to fit any size cell phone or MiFi® card
- Installs in minutes – no special tools required
- Complete kit; booster, 12V power cord & antenna with 12.5 foot cable
- Supports hands-free operation
- Built-in battery charging port (adapters sold separately)
- Optional antennas for fiberglass-sided vehicles
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	460106	
Frequency	BAND 5	850 MHz
	BAND 2	1900 MHz
Max Gain	23 dB	
Connectors	Antenna: SMA Female • Power supply: Mini USB	
Dimensions	2.25 x 4.25 x 2.5 in / 5 x 9.5 x 5.6 cm	
Weight	2.5 oz / 0.07 kg	
Power Supply	5V DC vehicle power supply	

Note: for additional specifications refer to product installation manual found online

INSTALLATION



MOBILE



SINGLE
DEVICE



See installation for full kit

PACKAGE CONTENTS



Optional in-home accessory kit - 859970



Optional charging cables: 859967 - Micro to mini USB
859966 - Mini to Mini USB
859979 - iPhone 4S to Mini

FEATURES

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

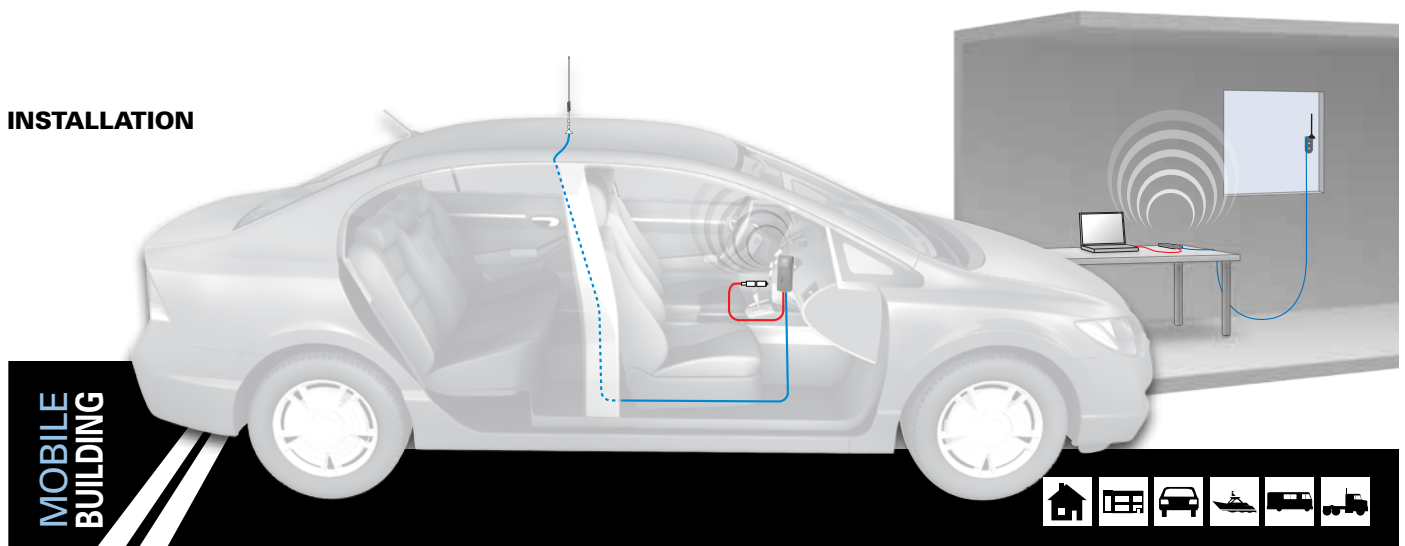
- Reduces dropped calls, extends signal range, and increases 3G data rates
- Extends cell phone battery life
- Works with all carriers in North America
- Installs in minutes – no special tools required
- Complete kit; booster, 12V power cord & antenna with 12.5 foot cable
- Optional antennas for fiberglass-sided vehicles
- Two year warranty - with registration
- Portable – can easily be moved from vehicle to building
- Features a built-in inside antenna
- Multiple power options - USB port, DC power supply (vehicle power supply) or AC adapter
- Wireless operation – no physical connection to cell phone or data card
- FCC and IC Type Accepted

SPECIFICATIONS

Part Number	460113	
Frequency	BAND 5	850 MHz
	BAND 25	1900 MHz
Max Gain	45 dB	
Connectors	Antenna: SMA Female • Power supply: Mini USB	
Dimensions	2 x 4.75 x 1 in / 5.1 x 12.1 x 2.5 cm	
Weight	3 oz / 0.09 kg	
Power Supply	5V DC vehicle power supply	

Note: for additional specifications refer to product installation manual found online

INSTALLATION



PACKAGE CONTENTS



MobilePro
Outside antenna - 301126
Window Mount Bracket

Mobile 3G™

BEST SELLER

FEATURES

- Reduces dropped calls, extends signal range, and increases 3G data rates
- Extends cell phone battery life
- Works with all carriers in North America
- Installs in minutes – no special tools required
- Complete kit; booster, 12V power cord & antenna with 12.5 foot cable
- Optional antennas for fiberglass-sided vehicles
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	460102	
Frequency	BAND 5	850 MHz
	BAND 25	1900 MHz
Max Gain	50 dB	
Connectors	Antenna: SMA Female • Power supply: DC/DC	
Dimensions	6.2 x 3.6 x 1.3 in / 15.7 x 9.1 x 3.3 cm	
Weight	1.2 lbs / 0.54 kg	
Power Supply	6V DC vehicle power supply	

Note: for additional specifications refer to product installation manual found online



MULTIPLE
DEVICE

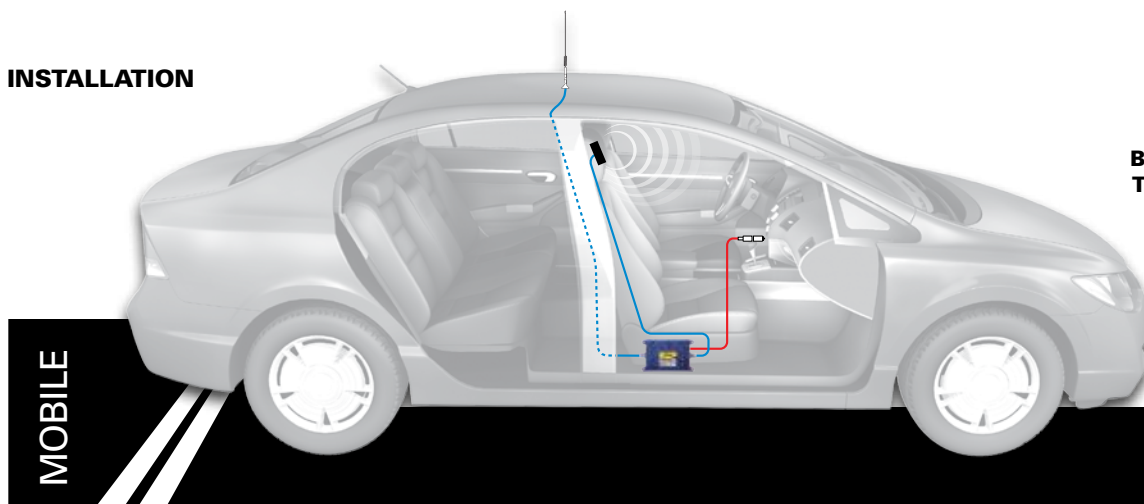
See installation for full kit

PACKAGE CONTENTS



Mobile 3G
Outside antenna - 311125
Inside antenna - 301152

INSTALLATION



**BEST SELLING and
TOP PERFORMING
Mobile Signal
Booster**

MOBILE



Mobile 4G™

FEATURES

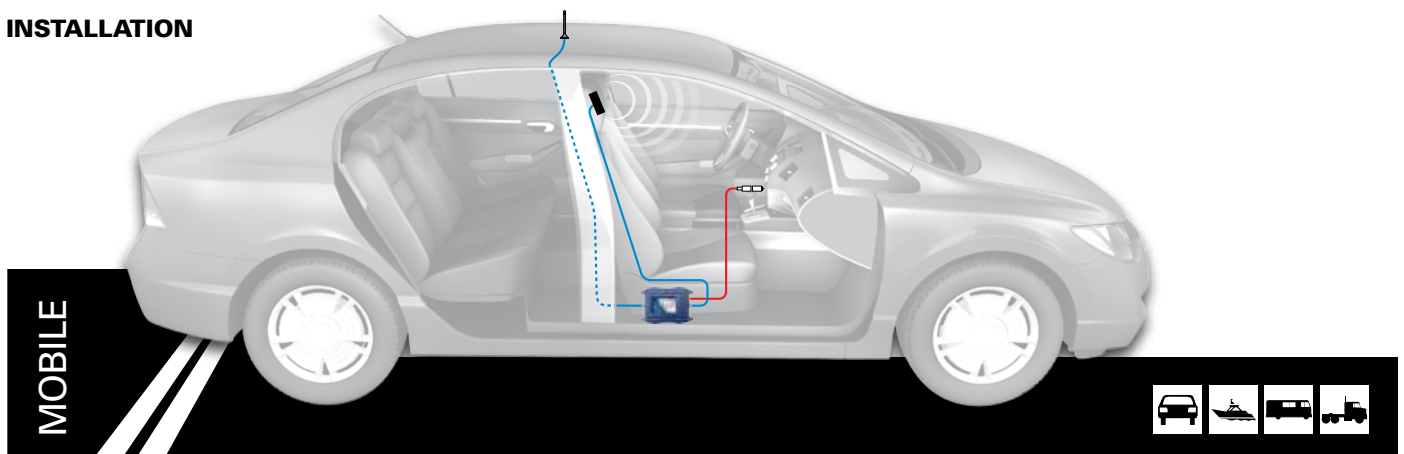
- Reduces dropped calls, extends signal range, and increases 4G data rates
- Extends cell phone battery life
- Works with all carriers in North America
- Installs in minutes – no special tools required
- Complete kit; booster, 12V power cord & antenna with 12.5 foot cable
- Optional antennas for fiberglass-sided vehicles
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	460108	
Frequency	BAND 17	700 MHz
	BAND 13	700 MHz
	BAND 5	850 MHz
	BAND 4	1700 MHz
	BAND 25/2	1900 MHz
Max Gain	50 dB	
Connectors	Antenna: SMA Female • Power supply: DC/DC	
Dimensions	4.5 x 6.44 x 1.19 in / 11.43 x 16.35 x 3.02 cm	
Weight	1.195 lbs / .54 kg	
Power Supply	6V DC vehicle power supply	

Note: for additional specifications refer to product installation manual found online

INSTALLATION



MULTIPLE
DEVICE



See installation for full kit

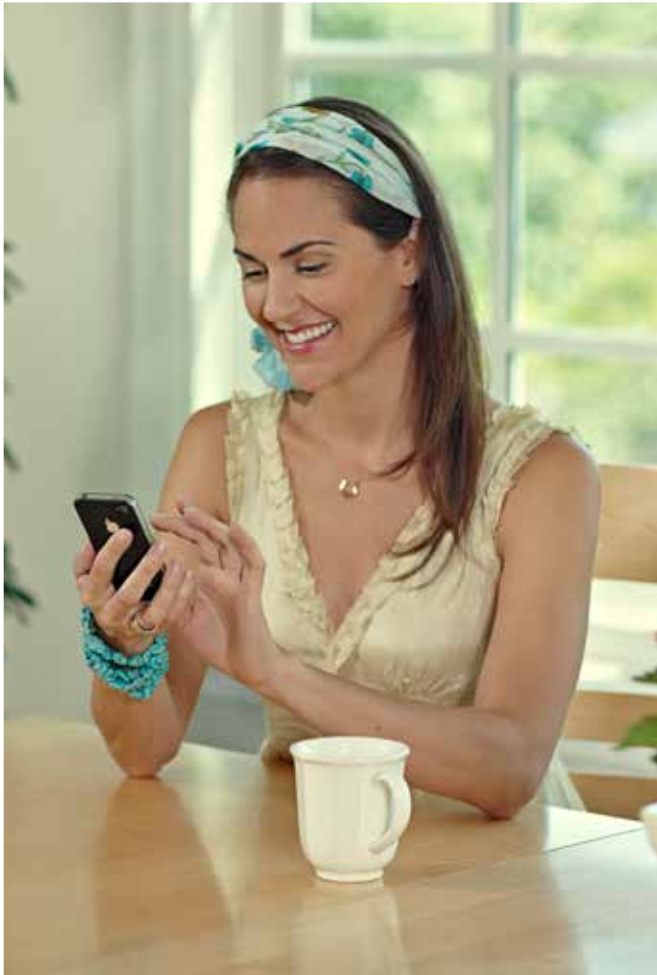
PACKAGE CONTENTS



Mobile 4G
Outside antenna - 301126
Inside antenna - 301152

BUILDING SOLUTIONS

WILSON ELECTRONICS HAS A SOLUTION FOR EVERY INDOOR APPLICATION



FEATURES

- Reduces dropped calls, extends signal range, and increases 3G data rates for multiple rooms
- Extends cell phone battery life
- Works with all carriers in North America
- Complete kit; booster, AC power cord & antennas with 50 foot cable
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	463105	
Frequency	BAND 5	850 MHz
	BAND 2	1900 MHz
Max Gain	60 dB	
Connectors	SMA Female / F-Female	
Dimensions	6.5 x 4.25 x 1.75 in / 16.5 x 10.7 x 4.4 cm	
Weight	0.64 lbs / 0.29 kg	
Power Supply	AC/DC 6V/2.0A	

Note: for additional specifications refer to product installation manual found online

INSTALLATION

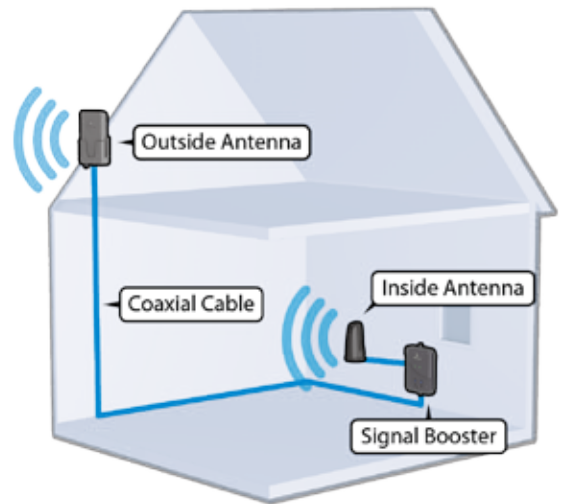


PACKAGE CONTENTS



DT
 Outside antenna - 311141
 Inside antenna - 301211

20' & 30' lengths of coaxial cable - 950620, 950630
 Mounting hardware



DT4G™

FEATURES

- Reduces dropped calls, extends signal range, and increases 3G & 4G data rates for multiple rooms
- Extends cell phone battery life
- Works with all carriers in North America
- Complete kit; booster, AC power cord & antennas with 60 foot cable
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	460101	
Frequency	BAND 17	700 MHz
	BAND 13	700 MHz
	BAND 5	850 MHz
	BAND 4	1700/2100 MHz
	BAND 25/2	1900 MHz
Max Gain	60 dB	
Connectors	SMA Female / F-Female	
Dimensions	4.5 x 6.44 x 1.19 in / 11.43 x 16.35 x 3.02 cm	
Weight	0.4 lbs / 0.18 kg	
Power Supply	AC/DC 5V/2.5A	

Note: for additional specifications refer to product installation manual found online

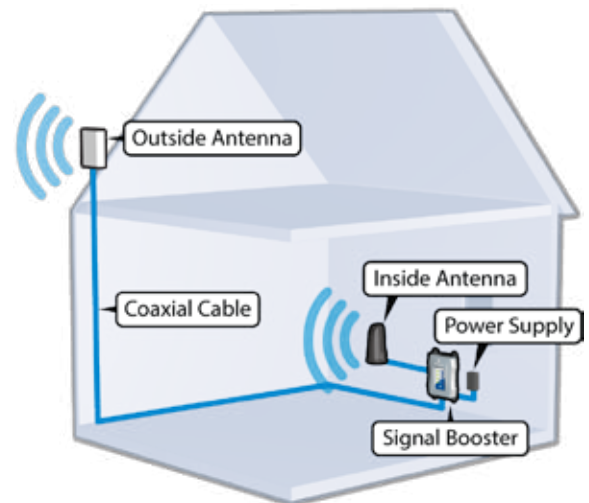


PACKAGE CONTENTS

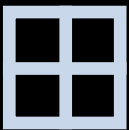


DT4G
Outside antenna - 314473
Inside antenna - 301211

Two 30' lengths of coaxial cable - 950630
Mounting hardware



BUILDING



DB Pro™

FEATURES

- Reduces dropped calls, extends signal range, and increases 3G data rates for whole house
- Extends cell phone battery life
- Works with all carriers in North America
- Complete kit; booster, AC power cord & antennas with 50 foot cable
- Two year warranty - with registration
- FCC and ICType Accepted

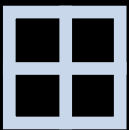
SPECIFICATIONS

Part Number	462105 / 462205	
Frequency	BAND 5	850 MHz
	BAND 2	1900 MHz
Max Gain	65 dB	
Connectors	F-Female	
Dimensions	6.5 x 4.25 x 1.75 in / 16.5 x 10.7 x 4.4 cm	
Weight	0.47 lbs / 0.21 kg	
Power Supply	AC/DC 6V/2A	

Note: for additional specifications refer to product installation manual found online

INSTALLATION

BUILDING

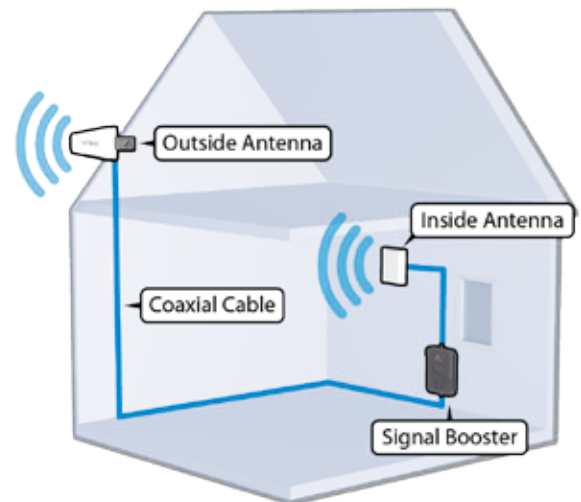


PACKAGE CONTENTS



DB Pro 462105
Outside antenna - 301201
Inside antenna - 311155
Two 30' lengths of coaxial cable - 950630
Mounting hardware

DB Pro 462205
Outside antenna - 314475
Inside antenna - 311155
Two 30' lengths of coaxial cable - 950630
Mounting hardware



DB Pro™ 4G

FEATURES

- Reduces dropped calls, extends signal range, and increases 3G & 4G data rates for whole house
- Extends cell phone battery life
- Works with all carriers in North America
- Complete kit; booster, AC power cord & antennas with 60 foot cable
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	460103	
Frequency	BAND 17	700 MHz
	BAND 13	700 MHz
	BAND 5	850 MHz
	BAND 4	1700/2100 MHz
	BAND 25/2	1900 MHz
Max Gain	65 dB	
Connectors	F-Female	
Dimensions	6.5 x 4.25 x 1.75 in / 16.5 x 10.7 x 4.4 cm	
Weight	1.28 lbs / 0.580 kg	
Power Supply	AC/DC 5V/2.5A	

Note: for additional specifications refer to product installation manual found online

INSTALLATION

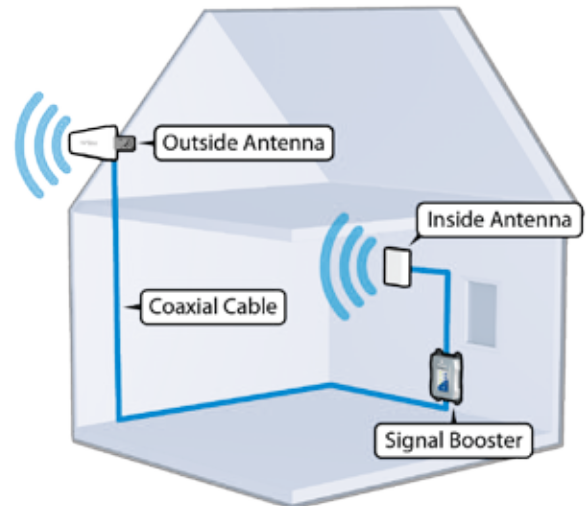


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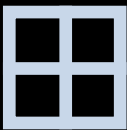


DB Pro 4G
Outside antenna - 314475
Inside antenna - 311155

Two 30' lengths of coaxial cable - 950630
Mounting hardware



BUILDING



AG Pro™ 70

FEATURES

- Reduces dropped calls, extends signal range, and increases 3G data rates for large home
- Extends cell phone battery life
- Works with all carriers in North America
- Complete kit; booster, AC power cord & antennas with 135 foot cable
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	460105	
Frequency	BAND 5	850 MHz
	BAND 2	1900 MHz
Max Gain	70 dB	
Connectors	N-Female	
Dimensions	6.75 x 4.2 x 1.25 inch / 17.1 x 10.8 x 3.17 cm	
Weight	1.27lbs / .544 kg	
Power Supply	AC/DC 6V / 2.5 A	

Note: for additional specifications refer to product installation manual found online

INSTALLATION

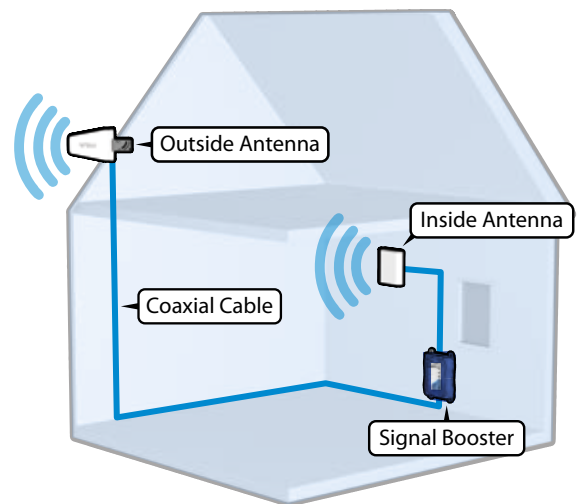


PACKAGE CONTENTS

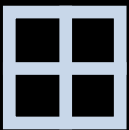


AG Pro 70
Outside antenna - 314411
Inside antenna - 311135

60' coaxial cable - 952360
75' coaxial cable - 952375
Mounting hardware
Power - 859912



BUILDING



AG Pro™ 4G

FEATURES

- Reduces dropped calls, extends signal range, and increases 3G & 4G data rates for large home
- Extends cell phone battery life
- Works with all carriers in North America
- Complete kit; booster, AC power cord & antennas with 135 foot cable
- Two year warranty - with registration
- FCC and ICType Accepted

SPECIFICATIONS

Part Number	461104	
Frequency	BAND 12/17	700 MHz
	BAND 13	700 MHz
	BAND 5	850 MHz
	BAND 4	1700/2100 MHz
	BAND 25/2	1900 MHz
Max Gain	70 dB	
Connectors	N-Female	
Dimensions	6.5 x 8.75 x 1.63 in / 16.51 x 22.23 x 4.13 cm	
Weight	2.6 lbs / 1.18 kg	
Power Supply	AC/DC 12V/3A	

Note: for additional specifications refer to product installation manual found online

INSTALLATION

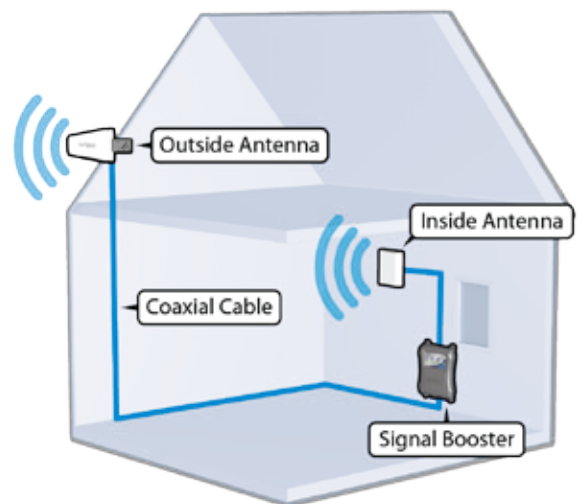


PACKAGE CONTENTS



AG Pro 4G
 Outside antenna - 314411
 Inside antenna - 311135

60' coaxial cable - 952360
 75' coaxial cable - 952375
 Mounting hardware
 Power - 859948

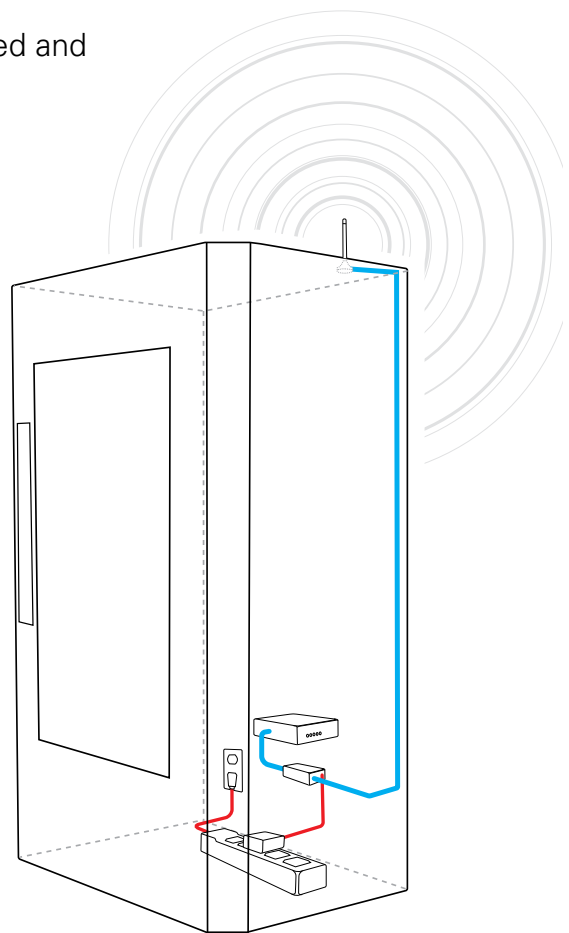


Keeping Your Machine-to-Machine Devices Connected



A Wilson Electronics cellular booster provides two primary benefits for Machine-to-Machine connected devices:

- Assures a strong, reliable signal can be acquired and maintained - even in weak signal areas
- Reduces data error rates from weak signal, resulting in quicker transfers





SINGLE
DEVICE

FEATURES

- Bi-directional signal booster
- Works on all North American carriers
- Configurable to fit virtually any M2M situation
- Includes AC power supply and antenna with 12.5' cable
- FCC and IC Type Accepted

SPECIFICATIONS

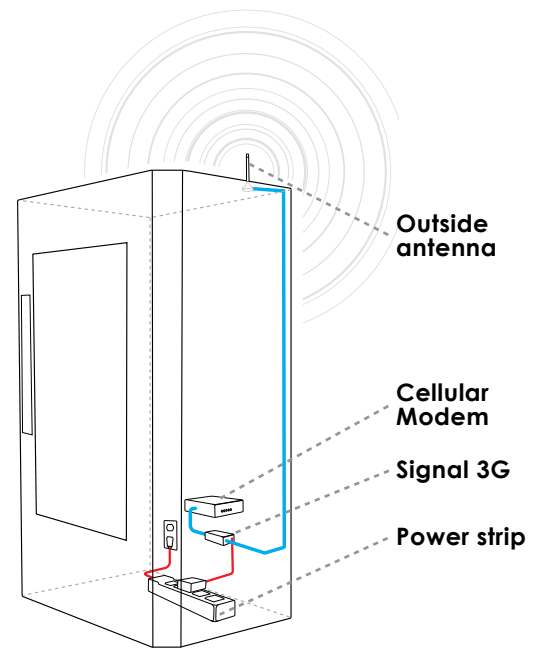
Part Number	460109	
Frequency	BAND 5	850 MHz
	BAND 25	1900 MHz
Max Gain	15 dB	
Connectors	SMA-Female	
Dimensions	3.3 x 1.9 x 0.8 inch / 8.4 x 4.8 x 2.0 cm	
Weight	0.18 lbs / 0.08 kg	
Power Supply	AC/DC 5V/2A	

Note: for additional specifications refer to product installation manual found online

KITS

- 460109 - Signal 3G™, AC Power Supply, 12" Magnet Mount Antenna (311125)
- 460209 - Signal 3G™, AC Power Supply, Mini-Mag Antenna (301126)
- 460309 - Signal 3G™, DC Hardwire Power Supply, Mini-Mag Antenna (301126)

INSTALLATION



High-Gain Antennas



301101 / 311701 Trucker Mirror-Mount Antenna

19-inch fiberglass mast raises antenna above trailers



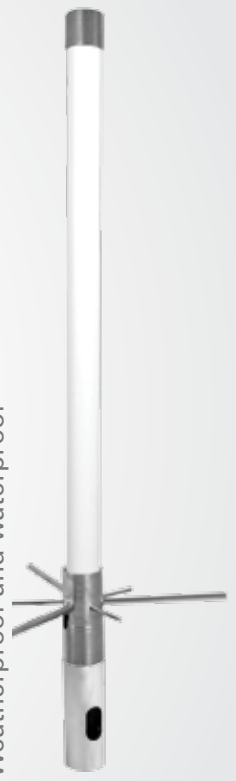
311119 RV / Trucker Roof-Mount Antenna

5/8-inch x 7-inch threaded mounting rod spans the distance between roof and headliner



311133 RV / Trucker Spring-Mount Antenna

Built-in spring reduces impact damage



311130 Marine Antenna

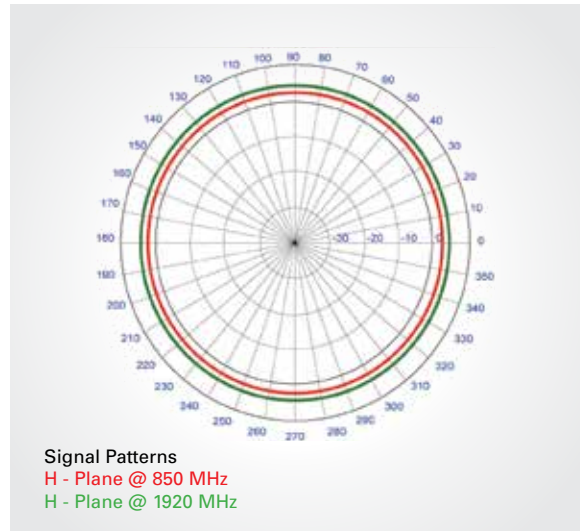
Weatherproof and waterproof

Rugged, High-Gain Antennas Deliver Powerful Performance

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

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 (301101/311101)
- Mounting options available for any application



SPECIFICATIONS

Part Number	301101	311101	311701	311119	311133	311130
Frequency Range	Refer to table on page 30					
Impedance	50 ohms					
Antenna Gain	Refer to table on page 30					
Signal Pattern	Omni					
Polarization	Vertical					
Ground Plane	Built-In Ground Plane					
Connector	FME FEMALE		SMA MALE			
Material	Whip - Stainless Steel Extension - Fiberglass		Whip - Stainless Steel		Whip - Stainless Steel Casing - Fiberglass	
Coax Cable	RG58 - 14 feet / 4.3 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 Part# 901104	Standard 1-inch x 14 thread	

General Mobile External Antennas

Stay Connected on the Road with Wilson Electronics Mobile Antennas

Designed for use with our mobile signal boosters, Wilson Electronics wide range of mobile antennas offers top 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

- Perfect for cars, vans and light trucks
- Mobile and indoor use




311103 • 311125 • 311128 • 301703
Magnet-Mount Antenna



311113 • 301126
Mini Magnet-Mount Antenna

SPECIFICATIONS

	Magnet-Mount Antennas				Mini Magnet-Mount Antennas	
Part Number	311103	 311125	311128	311703	311113	301126
Frequency Range (MHz)	Refer to table on page 30					
Impedance	50 ohms					
Antenna Gain	Refer to table on page 30					
Signal Pattern	Omni					
Polarization	Vertical					
Ground Plane	Metal ground plane required					
Connector	FME Female	SMA Male	TNC Male	SMA Male	FME Female	SMA Male
Material	Whip - Stainless Steel				Whip - Plastic Coated Steel Wire	
Coax Cable	RG174 - 12.5 feet / 3.05 meters					
Height	12.25 inches / 31.12 cm				4.175 inches / 10.60 cm	
Mount	Rare earth magnet				Rare earth magnet	



311102
Glass-Mount Antennas
 Permanent installation



311112 NMO Trucker Antenna
 Same styling as our popular trucker antenna for NMO mounting



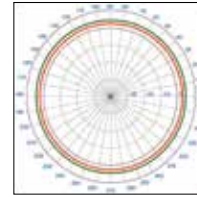
311104 • 314203 • NMO Antennas

Glass-Mount & Mini Glass-Mount Antennas		NMO Trucker Antennas	NMO Antennas	
311102		311112	311104	314203
Refer to table on page 30				
50 ohms				
Refer to table on page 30				
Omni				
Vertical				
Built-In Ground Plane		Metal ground plane required		
SMA Male		SMA Male		
Whip - Stainless Steel		Whip - Stainless Steel		
RG58 - 14 feet / 4.27 meters		sold separately		sold separately
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 41)		

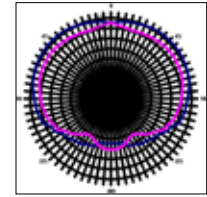
Low Profile & Ultra-Slim Antennas

FEATURES

- Low profile antennas for discreet installation
- Includes mounting options



Signal Patterns
301127, 301143, 301149
Omni-directional when
mounted vertically
H - Plane @ 850 MHz
H - Plane @ 1920 MHz



Signal Patterns
301208, 301209, 301210
H - Plane @ 806-894 MHz
H - Plane @ 1850-1990 MHz



SPECIFICATIONS

	301152	301143	301149	301211
Part Number	301152	301143	301149	301211
Frequency	Refer to table on page 30			
Impedance	50 ohms			
Antenna Gain	Refer to table on page 30			
Signal Pattern	Omni when mounted vertically			120° H Plane
Polarization	Vertical			
Connector	SMA Male		SMA Male	SMA Male
Coax Cable	RG174 - 14 ft / 4.27 m	RG174 - 7.5 ft / 2.28 m	RG174 - 7.5 ft / 2.28 m	RG174 - 5 ft / 1.524 m
Length	5 in. / 12.7 cm	3.25 in. / 8.26 cm		5.13 in / 13 cm
Width	1.5 in / 3.8 cm			1.56 in / 4 cm
Building Mount	Minimum 6 inches away from metal			

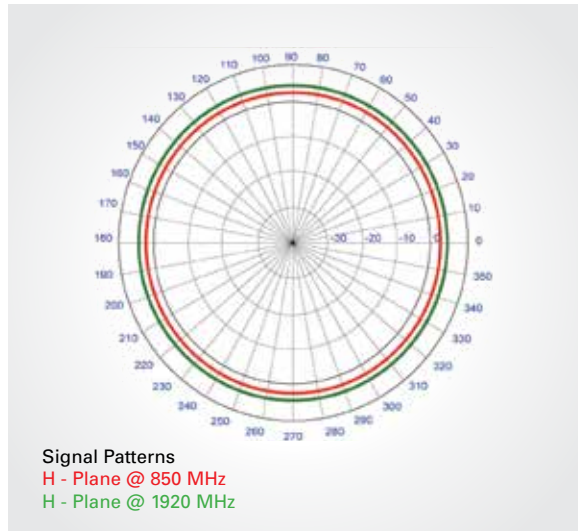
Cradle Plus Antennas

Hands-Free Safety and Convenience

Wilson Electronics 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.

FEATURES

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

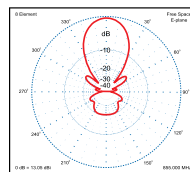
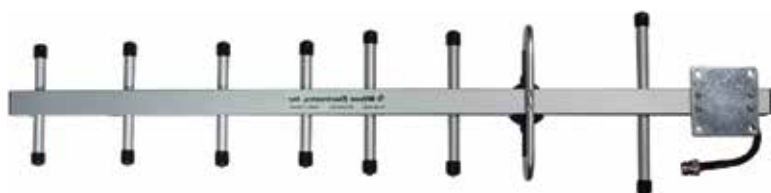


SPECIFICATIONS

Part Number	301146	301148
Frequency Range	Refer to table on page 30	
Impedance	50 ohms	
Antenna Gain	Refer to table on page 30	
Connector	FME Female	SMA Male
Coax Cable	RG 174 - 7.5 ft	
Length	4.125 in / 10.5 cm	
Width	2.875-4.5 in / 7.3-11.4 cm	

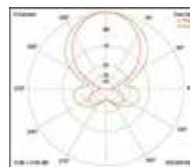
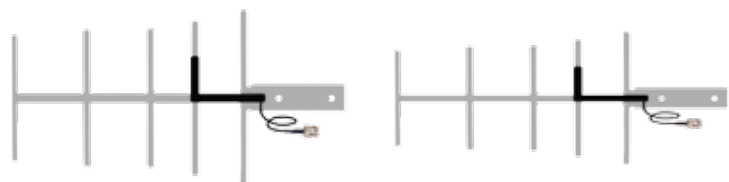


Yagi Antennas - Durable, high-gain, directional antennas



301111 Yagi 800 MHz

Our highest gain antenna for the 800 MHz band



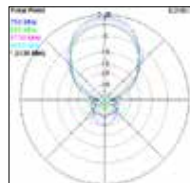
311129 Yagi 800 MHz
301142 Yagi 900 MHz

Lower profile for 800 and 900 MHz



311124 Yagi 1900 MHz

Our highest gain antenna for the 1900 MHz band



314475 75 ohm
314411 50 ohm

Wide Band Directional Antenna

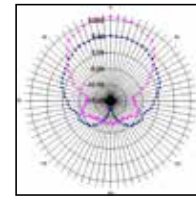
SPECIFICATIONS

	Yagi				Log-Periodic	
Part Number	301111	311129	301142	311124	314411	314475
Number of Elements	8	5		9	9	
Frequency	Refer to table on page 30					
Impedance	50 ohms				75 ohms	
Antenna Gain	Refer to table on page 30					
Max Power	50 watts	10 watts		25 watts	100 watts	
Polarization	Directional					
	Vertical					
Connector	N-Female				F-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				<465 cm ²	
Brackets	Max OD 2 inches					

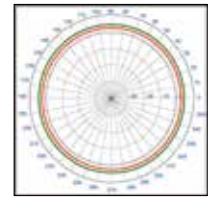
Building Antennas

FEATURES

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



Signal Patterns
Panel Antennas when
mounted vertically
H - Plane @ 806-894 MHz
H - Plane @ 1850-1990 MHz



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



SPECIFICATIONS

	Dome			Panel						Omni		
	301121	301151	301123	304451	304471	311135	311155	311141	304452	304472	311201	311203
Part Number	301121	301151	301123	304451	304471	311135	311155	311141	304452	304472	311201	311203
Frequency	Refer to table on page 30											
Impedance	50 ohms	75 ohms	50 ohms	50 ohms	75 ohms	50 ohms	75 ohms	75 ohms	50 ohms	75 ohms	75 ohms	50 ohms
Polarization	Vertical		Horizontal & Vertical	Vertical						Vertical		
Antenna Gain	Refer to table on page 30											
Max Power	50 watts						15 watts	50 watts	25 watts			
Beamwidth Hor. Plane	360°			70°/60°			100°	70°/60°	360°			
Beamwidth Ver. Plane	120°			50°/45°			100°	50°/45°	60°			
VSWR	1.5:1			1.5:1			2.0:1 (800) 1.8:1 (1900)	1.5:1	1.8:1			
Connector	N-Female	F-Female	N-Female	N-Female	F-Female	N-Female	F-Female	F-Female	N-Female	F-Female	F-Female	N-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	Built-In Ground Plane			
Front to Back Ratio	N/A						11/14 dB typical	N/A	N/A			

Antenna Frequency Specific Gain Chart (dBi)

		FREQUENCY IN MHz					
		700-800	824-894	880-960	1710-1880	1850-1990	2110-2170
MAGNET MOUNT ANTENNAS	301103	1.9	5.1	3.1	-4.0	6.1	2.3
	311125	1.9	5.1	3.1	-4.0	6.1	2.3
	311128	1.9	5.1	3.1	-4.0	6.1	2.3
	304202	1.9	5.1	3.1	-4.0	6.1	2.3
	311703	-1.9	4.8	4.6	0.3	4.1	0.6
MINI MAGNET MOUNT ANTENNAS	311113	1.7	2.1	0.5	2.2	3.1	1.4
	301126	1.7	2.1	0.5	2.2	3.1	1.4
DUAL BAND TRUCKER ANTENNAS	311101		5.1			6.1	
	311701			5.1	6.1		
RV TRUCKER W/SPRING ANTENNAS	311119	3.1	4.1	2.0	-1.8	5.1	-2.6
	311133	3.1	4.1	2.0	-1.8	5.1	-2.6
GLASS MOUNT ANTENNAS	311102	1.8	3.5	2.8	-1.5	4.8	1.0
	304201	1.8	3.5	2.8	-1.5	4.8	1.0
MINI GLASS MOUNT ANTENNAS	311114		1.4			2.4	
NMO ANTENNAS	301104	2.0	4.9	0.0	-3.1	5.9	1.3
	311112	2.4	5.5	-0.9	-1.2	5.5	1.7
	314203	3.7	4.4	4.3	-4.1	3.7	0.3
DUAL BAND LOW PROFILE ANTENNAS	301105	4.1	1.4	2.4	-3.5	-7.0	-10.2
	301106	3.4	2.2	1.2	1.4	3.2	4.3
	301127	3.4	2.2	1.2	1.4	3.2	4.3
	301208	-0.8	1.5	1.2	2.4	3.4	1.2
	301209	-0.8	1.5	1.2	2.4	3.4	1.2
	301210	-0.8	1.5	1.2	2.4	3.4	1.2
	301211	-0.8	1.5	1.2	2.4	3.4	1.2
	301111	10.0	10.8	8.8	-16.4	-14.9	-13.8
YAGI ANTENNAS	311124	-18.7	-23.4	-21.6	9.1	12.5	-10.6
	301129	-0.9	10.1	-7.9	-10.3	-11.9	-8.7
	301142	-3.6	3.7	10.1	-12.1	-10.2	-13.4
	314411	7.3	8.1	7.4	9.2	10.6	10.4
	314475	7.3	8.1	7.4	9.2	10.6	10.4
DOME ANTENNAS	301121	-2.5	2.5	-0.5	3.5	4.1	1.5
	301123	3.3	5.4	-2.3	-4.3	0.5	-8.0
	301151	-2.5	2.5	-0.5	3.5	4.1	1.5
MARINE ANTENNAS	311130	3.4	4.1	3.5	3.1	5.1	0.2
PANEL ANTENNAS	311135	5.2	4.4	4.2	10.1	10.6	8.2
	311155	5.2	4.4	4.2	10.1	10.6	8.2
	314451	5.2	4.4	4.2	10.1	10.6	8.2
	314471	5.2	4.4	4.2	10.1	10.6	8.2
	314452	5.2	4.4	4.2	10.1	10.6	8.2
	314472	5.2	4.4	4.2	10.1	10.6	8.2
	314453	5.2	4.4	4.2	10.1	10.6	8.2
	314473	5.2	4.4	4.2	10.1	10.6	8.2
ULTRA SLIM ANTENNAS	301143	-5.7	-6.8	-9.5	3.1	3.9	5.0
	301149	-5.7	-6.8	-9.5	3.1	3.9	5.0
CRADLE PLUS - PHONE CRADLE	301146	-5.0	0.7	-0.8	2.3	2.6	1.5
	301148	-5.0	0.7	-0.8	2.3	2.6	1.5
EXTERIOR BUILDING ANTENNAS	311141	0.7	4.0	3.6	-1.7	5.5	4.7
	311201	3.2	4.1	2.7	0.6	5.1	-7.5
	301202	3.2	4.1	2.7	0.6	5.1	-7.5
	301203	3.2	4.1	2.7	0.6	5.1	-7.5

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.

Mounts & Replacement Parts



- 901150 3/4-inch NMO Mount**
- Requires NMO Antenna (sold separately)
 - Requires 3/4-inch hole in sheet metal surface for connection
 - 14 feet RG-58U Cable
 - SMA-Male Connector



- 905814 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
 - SMA-Male 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 Electronics Cellular Trucker Antennas (311101) and (311133)
 - 3/8-24 thread
 - 5 millimeter chrome-plated aluminum
 - Hardware included



- 901106 Horizontal Mount with Spade Stud**
- Compatible with Wilson Electronics Trucker Antennas (311101) and (311133)
 - 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



- 901133 Omni Antenna Building Mounting Bracket**
- Allows for easy mounting of the Omni-directional Antenna (311201, 311203) 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 & 301123)
 - Allows for mounting the dome antenna in the attic.



- 901123 In-Wall Panel Antenna Mount**
- Compatible with the Wilson Panel Antenna (311135, 311155).
 - Bracket can be inserted into an interior wall.
 - Features a paintable cover.



- 311155-0630 Panel Antenna Upgrade Kit for the Desktop Amplifier**
- Includes Panel Antenna, 20' white RG6 coax cable, N-male to F-female & F-female to TNC-male connectors.



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



- 901130 Cup Holder Car Mount for use with Wilson MobilePro, Cradles & Cradle Boosters**



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



- 901137 Adjustable desk mount for use with Sleek, MobilePro, iBooster, C-Booster and U-Booster**



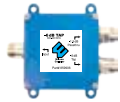
- 901134 Cradle Mounting Kit**



- 901120 Gooseneck Suction Cup Mount**

Taps, Splitters, Lightning Protection, Combiner/Diplexer

TAPS



859906

-6 dB Tap
700-960 MHz

50 Ohm

N Female

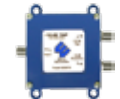


859907

-10 dB Tap
700-2500 MHz

50 Ohm

N Female



859976

-10 dB Tap
700-2500 MHz

75 Ohm

F Female

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 to small and large areas. Features low-loss signal throughput with one -6 dB or -10 dB tap.

SPLITTERS



859993

-3 dB 2 Way Splitter
700-2500 MHz

75 Ohm

F Female



859994

-4.8 dB 3 Way
Splitter
700-2500 MHz

75 Ohm

F Female



859106

-6 dB 4 Way Splitter
700-2700 MHz

75 Ohm

F Female



859957

-3 dB 2 Way Splitter
700-2700 MHz

50 Ohm

N Female



859980

-4.8 dB 3 Way
Splitter
700-2700 MHz

50 Ohm

N Female



859981

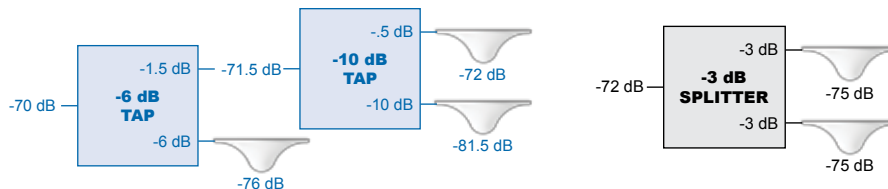
-6 dB 4 Way Splitter
700-2700 MHz

50 Ohm

N Female

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 multiple antennas for similarly sized areas.



LIGHTNING



859902

50 Ohm Lightning
Surge Protector

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



859992

75 Ohm Lightning
Surge Protector

- F-Female Connectors
- Attenuation less than 0.2 dB
- Frequency range up to 3 GHz
- Replaceable gas discharge element (859921)

COMBINER



859922

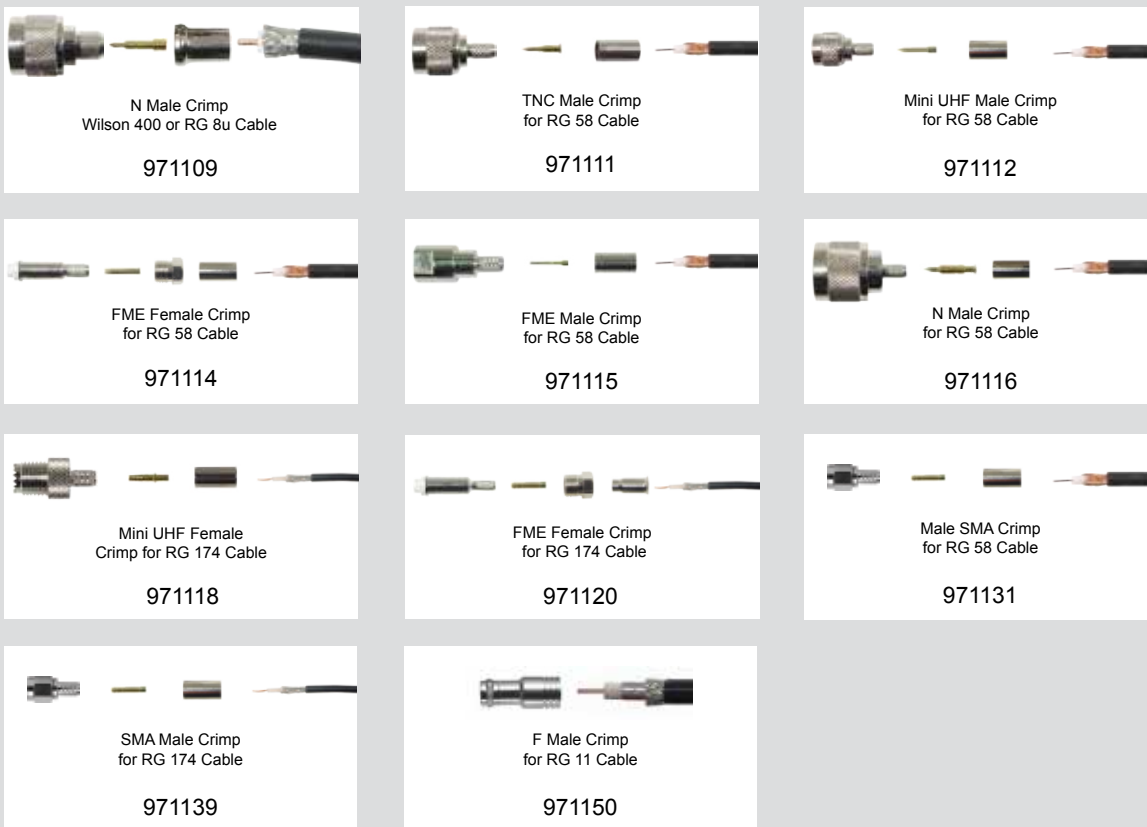
Dual-Band
Combiner/Diplexer

- Each output port loses .5 dB
- 700-960 & 1710-2155 MHz LTE 700, Cellular, iDEN, GSM, AWS, PCS
- N-Female Connectors
- Can connect two outside antennas to one signal booster or two signal boosters to one inside antenna

CONNECTORS



CRIMP CONNECTORS



Coaxial Cables



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

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



Wilson 400 Ultra Low-Loss Coax Cable N-Male / N-Male - BLACK

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

Wilson 400 Ultra Low-Loss Coax Cable N-Male / N-Male - WHITE

- 952402 2-feet
- 952410 10-feet
- 952420 20-feet
- 952430 30-feet
- 952450 50-feet
- 952475 75-feet
- 952400 100-feet

Wilson 400 Ultra available in 500-feet and 1000-feet



RG-11 Low-Loss White Coax Cable F-Male / F-Male

- 951150 50-feet
- 951175 75-feet
- 951100 100-feet



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

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



Attenuators

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



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

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



RG-174 Coax Cable SMA-Female / SMA-Male

- 951130 6-feet

RG-174 Coax Cable SMA-Male / SMA-Male

- 951141 6-feet



The RF Signal Meter 460118

Displays detected signal frequency, bandwidth and strength

INSTALLER BENEFITS

- Determine which cellular signals, including 3G & 4G, are available for any location
- Find the strongest available signal
- Map the local cellular frequency environment
- Precisely position directional antennas for optimum performance
- Maximize signal coverage indoors

ACTUAL SIZE		LOSS PER 10'	
		800 MHz	1900 MHz
13/32"	Wilson 400	.45 dB	.7 dB
3/8"	RG-6	.83 dB	1.35 dB
3/16"	RG-58 Cable	1.0 dB	2.66 dB
3/32"	RG-174 Cable	3.58 dB	6.66 dB

Cell tech support for specific use instructions
1-866-294-1660



Power Supplies

BUILDING POWER SUPPLIES

859903		AC/DC 12 V Power Supply Converts 120/240 V AC to 12 V DC
859940		Home/Office Accessory Kit AC/DC 12 V Power Supply Converts 120/240 V AC to 12 V DC Window Mount Antenna Bracket
859912		AC/DC 6 V Power Supply Converts 120/240 V AC to 6 V DC
859969		AC/DC 5V USB Power Supply
859977		3' USB cable for Power Supply
859948		AC/DC 5 V Power Supply Converts 120/240 V AC to 5 V DC
859900		AC/DC 12 V Power Supply Converts 120/240 V AC to 12 V DC

VEHICLE POWER SUPPLIES

859913		DC/DC 6 V Power Supply Converts 12 V DC to 6 V DC
859983		DC 12 V Power Supply
859905		DC 12 V Hardwire Kit Power Supply
859923		DC/DC 6 V Hardwire Kit Power Supply Converts 12 V DC to 6 V DC
859939		DC 12 V Hardwire Kit Power Supply (iDEN High-Power Amplifier)
859963		CLA Power Supply with 3' USB Cable for Sleek Cradle Booster
859989		5 V / 1.5 A Hardwire Power Supply for Sleek & DataPro


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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)



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