WILSONPRO™

www.wilsonpro.com

Product Catalog.

CELLULAR SIGNAL COVERAGE SOLUTIONS
FOR COMMERCIAL BUILDINGS

Contents

About WilsonPro

WHO WE ARE

WilsonPro is one of the country's leading manufacturers of commercial cellular signal enhancement technologies. Our brand of professional cell signal boosters is powerful and advanced, designed to help you get the strongest cell signal possible, wherever you need it. Our systems are well-suited for virtually any scope of project and ideal for commercial, security, or fleet solutions.

We also offer benefits like an industry-leading three-year warranty on any of our products installed by WilsonPro certified professionals. We are dedicated to top-of-the-line products, superior customer service, and excellent installer partnerships—traits that make WilsonPro truly stand apart from the competition.

Our Story

Founded by Jim Wilson, who as a kid loved amateur radio and after receiving his ham radio license at 14 years old started making antennas in his parent's garage. And in 1968 started his first of many successful companies, Wilson Antenna, manufacturing and selling CB antennas and two-way radios.

Eventually, Wilson Antenna became the market leader and its products were seen as a status symbol for truckers.

Fueled by Passion

In 1997, Jim was working away from home and wasn't able to stay connected with his family due to spotty cell phone coverage. This planted the idea for "cell phone signal boosting systems".

After three years of intense research and development, Jim invented and patented the first cellular signal boosting solution giving way to who we are now, Wilson Electronics. Now, several years later we continue to innovate, develop, and pioneer technology as the industry market leader. We hold over 40 cellular signal boosting patents.

We are passionate about our work

Established in 2000
in St. George, Utah

Recognized global leader
in cellular boosting technology

Market Innovator with over
40 U.S. cellular signal patents

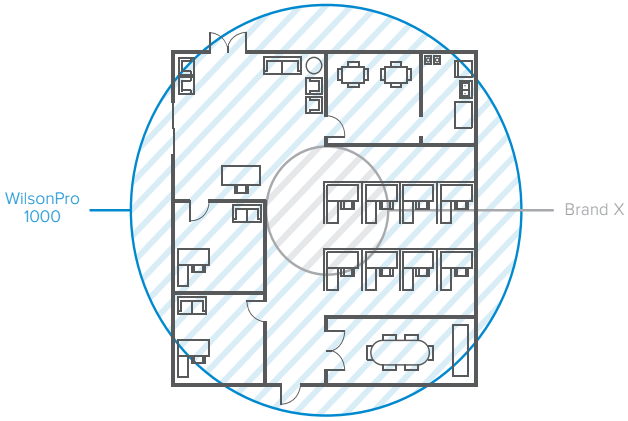
Why WilsonPro?

WilsonPro commercial cellular signal boosters provide reliable, flexible solutions for large buildings and businesses experiencing poor cell and data reception. Our high-performance cellular signal boosters are designed to deliver the greatest coverage in terms of physical space for any or all carriers.

From the initial site survey, to expert design assistance, to fast and cost-effective installation, the WilsonPro process along with our partners provide tailored and reliable cellular signal boosting solutions from start to finish.

No more dead zones

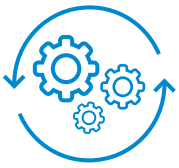
WilsonPro solutions ensure people are able to use their cellular devices in all needed parts of building, large or small. Mobile devices are critical tools for productivity, job performance and life safety. We ensure they have mobile access – anytime, anywhere.



It takes a system.

The days of telephone landlines are a thing of the past. People use their cell phones and cellular-connected devices more than ever, and rely on strong cellular reception in their offices and homes. However, sprawling, large-scale buildings made from concrete, brick, metal, and coated glass can block even the strongest cellular signals.

WilsonPro cellular signal boosters work to capture the available signal outside the building, amplify it, and broadcast it indoors. This way, you can experience better voice quality and flawless data transmissions at work or home.



Flexible Software

Throughout the day, cell tower signals will “fade and surge”, becoming weaker and stronger at times depending on the number of users on the system. FCC rules require that a cell phone booster must adjust in the presence of a strong tower signal. While WilsonPro products are able to seamlessly manage this signal variability, many competitors products simply shut down, sometimes requiring costly site visits (aka “truck rolls”) and system reboots. As a result, many system integrators are now exclusively using WilsonPro products to improve overall customer satisfaction while reducing costs.

Why WilsonPro cont.

Competitive Comparison

FEATURE	PRO 1000	Brand X	The Wilson Advantage
All Carriers	✓	✓	All major U.S. and Canadian Carriers are supported.
3G/4G LTE	✓	✓	All data speeds are supported.
Max Gain	✓	✓	The Wilson PRO 1000 operates at the maximum allowable gain per FCC rules and regulations.
Max Coverage Area	✓	✗	The Wilson PRO 1000 provides an average of more than 6 times the coverage area over our closest competitor.
Max Distance (from a cell tower)	✓	✗	The Wilson PRO 1000 provides an average of 100% more power to the cell site over our closest competitor's product.
Max User Capacity	✓	✗	With an average of 2 times the uplink power over competing boosters, the Wilson PRO 1000 allows for more simultaneous users at any given time.

In Short, Wilson Boosters provide:

PATENTED AUTOMATIC GAIN CONTROL

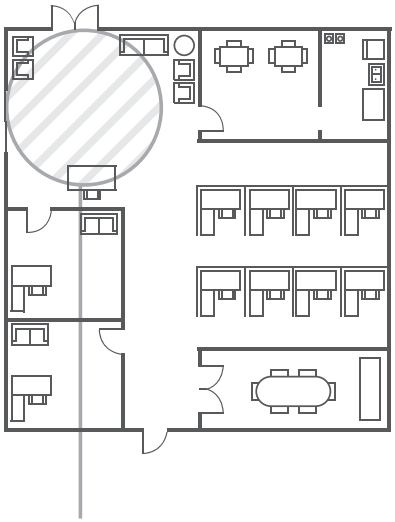
WilsonPro products algorithmically adjust themselves to reach FCC ceiling on cellular signal amplification. As a result, there is no way to receive better gain from a cell phone amplifier than ours without carrier approval. That is why in independent tests, our cell phone amplifiers regularly outperform our closest competitor's product, particularly on downlink power. Our Automatic Gain Control also reduces the need for field visits unlike our competitor's product which often requires manual adjustments by the dealer when signal conditions change (such as when a new cell tower is put in place).

ADVANCED BOARD MANUFACTURING

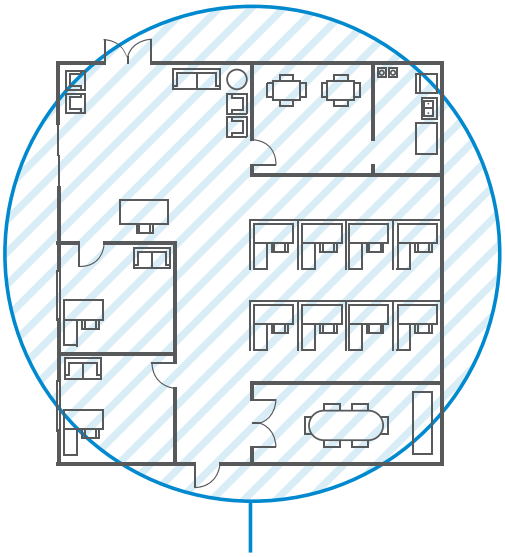
WilsonPro uses Blind and Buried Vias as well as other advanced manufacturing techniques to isolate noise between board components on our boards. Noise reduction allows WilsonPro to keep our gain closer to FCC limits than our competitor's products. This advanced manufacturing process is one of the reasons WilsonPro manufactures its boosters (including board assembly) in the United States.

MAXIMIZED TO THE OCTOBER 2014 FCC RULES ON CELLULAR SIGNAL AMPLIFICATION

WilsonPro upgraded all of our products to reach the Oct 2014 FCC rules which enabled higher downlink power than prior rules. Many competitive products were not or have not been upgraded to the ceiling allowed by these new rules.



Normal cell coverage



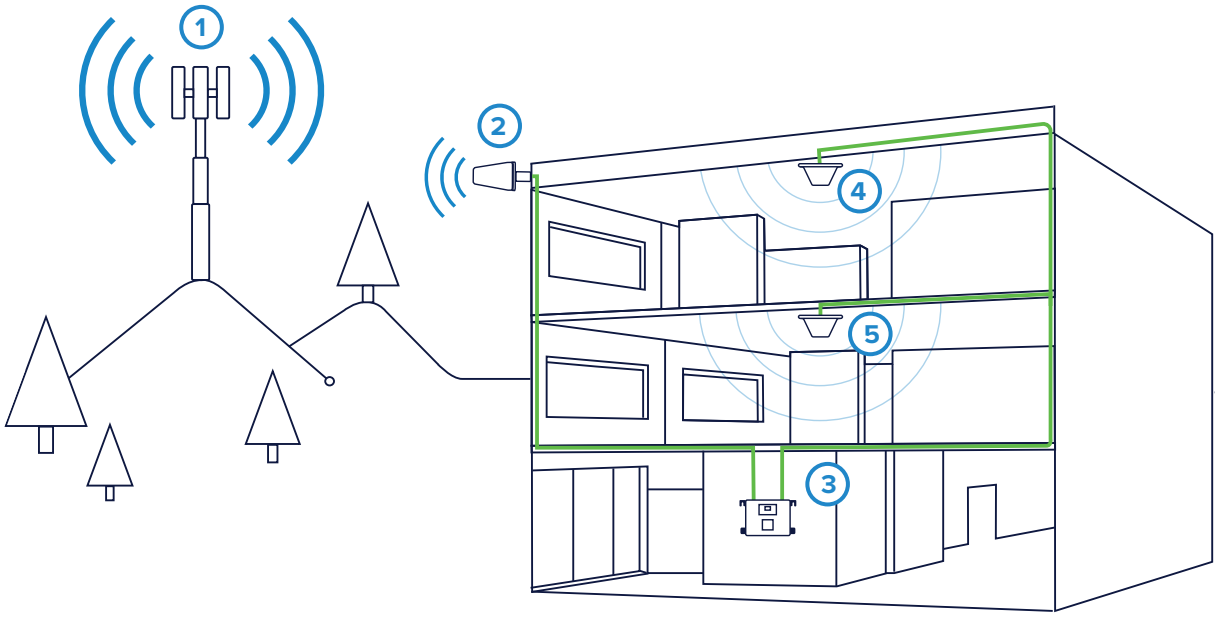
Cell coverage with **WilsonPro**

How WilsonPro Works

WilsonPro solutions ensure people are able to use their mobile devices in all needed parts of buildings, both large and small. Mobile devices are critical tools for productivity, job performance and life safety. We ensure they have mobile access – anytime, anywhere.

According to data from third party independent lab tests, Wilson Electronics in-building products provide up to 30 times more coverage area than any products offered by its closest competitor.

How to boost a cellular signal



1 CELL TOWER
The Cell Tower transmits and receives the cellular signal

2 OUTSIDE DIRECTIONAL ANTENNA
The signal is received and transmitted by the Outside Antenna

3 WILSONPRO BOOSTER
Our booster amplifies the cellular signal(s) and sends them to the Inside Antenna(s)

4 INSIDE ANTENNA
The Inside Antenna broadcasts the boosted signal to devices inside the building

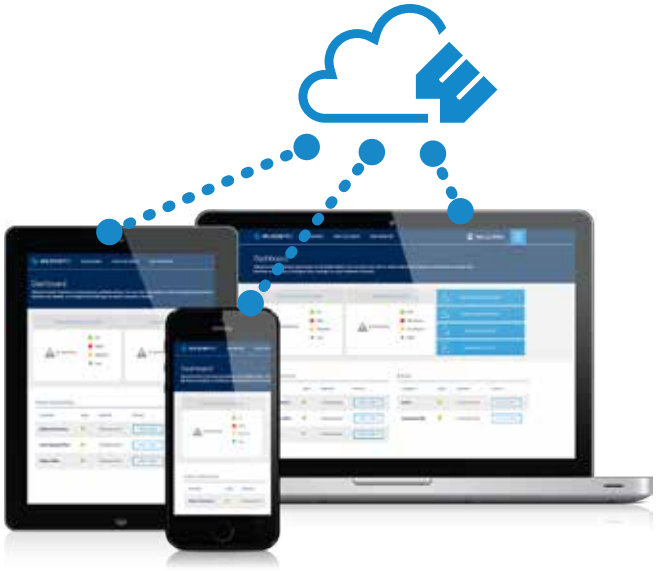
5 ADDITIONAL HARDWARE
Additional Antenna/Hardware can be added for Multi-Antenna Installation.

INTRODUCING
WILSONPRO CLOUD

The industry's first platform for **cloud-based management and monitoring** of cellular signal amplifiers.

The WilsonPro Cloud allows an integrator to manage and monitor installed cellular amplifiers from a phone, tablet, laptop, or any device that runs a Web browser. You can get customizable email and text notifications to alert you to any status change of your installed amplifiers, including notification if a system ever goes offline.

With the WilsonPro Cloud you can remotely reset an amp or selectively turn specific frequency bands on and off, so the integrator avoids costly troubleshooting site visits. The platform also provides report generation, performance and signal level histories, and organization of monitored amps by account and location. There's even a remote Donor (outside) antenna tuning tool.



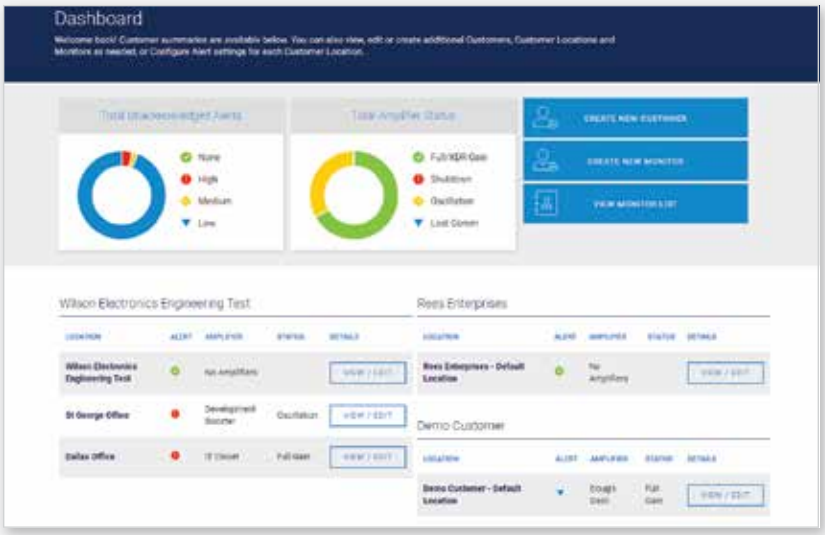
LTE INCLUDED

The wireless LTE connection is included in the annual WilsonPro Cloud subscription.

No additional Internet connection is required

WilsonPro Cloud Key Features

- Remotely reset an amp or turn specific frequency bands on & off
- Generate reports & view performance histories on your phone
- Organize monitored amps by account and location
- Remote donor antenna tuning tool
- Text and email notifications to your phone and PC
- 1-year subscription included with purchase of cloud-connected amplifier
- Works with all U.S. cellular networks



WilsonPro Cloud Dashboard shows ALL of your customers, organized by location and amplifier.

CURRENTLY AVAILABLE ON

PRO 1000C

The industry's **first cloud-monitored & controlled** cellular signal amplifier.

Donor (outside) antenna tool reduces installation time.

Performance graphs assist with remote troubleshooting.

WilsonPro Cloud is the industry's first platform for cloud-based management and monitoring of cellular signal amplifiers.

- Customizable email/text alert notifications
- Monitor your amplifier installs online
- Remote amplifier reset & band selectivity
- Organize monitored amps by location, account, etc

Commercial Solutions

Line Up Sheet

	 Pro 4000 460223	 Pro 4000R 460231	 Pro 1000C 460242	 Pro 1000 460236	 Pro 1000R 460237	 Pro 1050 460230
MOUNTING	Standard Mount	Rack Mount	Standard Mount	Standard Mount	Rack Mount	Standard Mount
NUMBER OF INTERNAL ANTENNA PORTS	4 Ports		1 Port			
COMPATIBILITY	LTE / 4G / 3G / 2G					
MAX GAIN	70 dB					
EXTERNAL ANTENNA	Outside Directional Antenna (314411)					
INTERNAL ANTENNA	Inside Dome Antenna x4 (304412)		Inside Dome Antenna (304412)			
IMPEDANCE	50 Ohm					
POWER	110-240 V AC, 50-60 Hz, 30 W					
CONNECTORS	N-Female					
CABLE INCLUDED	2' Black Low Loss Wilson400 Cable (952302) 100' Black Low Loss Wilson400 Cables x4 (952300) 75' Black Low Loss Wilson400 Cable (952375)		2' Black Low Loss Wilson400 Cable (952302) 100' Black Low Loss Wilson400 Cables x1 (952300) 75' Black Low Loss Wilson400 Cable (952375)			2' Black Low Loss Wilson400 Cable (952302) 75' Black Low Loss Wilson400 Cable (952375) 100' Black Low Loss Wilson400 Cable (952300) x2
UPC	811815 02691 4	811815 02688 4	811815 02784 3	811815 02719 5	811815 02721 8	811815 02700 3

⚠ See the individual product pages for applicable Prop 65 Warnings.

Line Up Sheet

						
	Pro 4000 460223	**Pro 4000R** 460231	**Pro 1000C** 460242	**Pro 1000** 460236	**Pro 1000R** 460237	**Pro 1050** 460230
MOUNTING	Standard Mount	Rack Mount	Standard Mount	Standard Mount	Rack Mount	Standard Mount
COVERAGE AREA	Up to 100k sq ft		Up to 35k sq ft			
RECOMMENDED FOR	Enterprise Businesses up to 100k sq ft (Comparable to four Pro 70 Plus boosters)		Offices; up to 35k sq ft			Middleprise/Enterprise Businesses, especially high rises
			Includes WilsonPro Cloud Service Integration			
	XDR Technology: Auto adjusts gain output to prevent shut down					
EXTERNAL ANTENNA OPTIONS	Wide Band Directional Antenna (314411) 4G Omni Plus Building Antenna (304422) 4G Omni Building Antenna (304424)					
INTERNAL ANTENNA OPTIONS	4G Dome Antenna (304412) Low Profile Antennas (314406 & 314407) Panel Antennas (311135)					
CABLE OPTIONS	75' Wilson400 Cable, 100' Wilson400 Cable (x4)		75' Wilson400 Cable, 100' Wilson400 Cable (x1)			75' Wilson400 Cable, 100' Wilson400 Cable (x2)
FREQUENCIES MHZ	Band 12/17: uplink: 698-716; downlink: 729-746 Band 13: uplink: 777-787; downlink: 746-756 Band 5: uplink: 824-849; downlink: 869-894 Band 4: uplink: 1710-1785; downlink: 2110-2155 Band 2/25: uplink: 1850-1915; downlink: 1930-1995					
BOOSTER DIMENSIONS	Length - 18 inches Width - 11.5 inches Height - 3.75 inches	Length - 19 inches Width - 12.5 inches Height - 1.75 inches	Length - 18 inches Width - 11.5 inches Height - 3.75 inches	Length - 18 inches Width - 11.5 inches Height - 3.75 inches	Length - 19 inches Width - 12.5 inches Height - 1.75 inches	Length - 18 inches Width - 11.5 inches Height - 3.75 inches
BOOSTER WEIGHT	15.405 lbs	5.45 lbs	TBD	15.405 lbs	5.45 lbs	44.82 lbs
UPC	8 11815 02691 4	8 11815 02688 4	8 11815 02784 3	8 11815 02719 5	8 11815 02721 8	8 11815 02700 3

⚠ See the individual product pages for applicable Prop 65 Warnings.

Line Up Sheet

	 Pro 70 (50 Ohm) 465134	 Pro 70 (75 Ohm) 463134	 Pro 70 Plus (50 Ohm) 463127	 Pro 70 Plus (75 Ohm) 460127	 Pro 70 Plus Select (50 Ohm) 462127
MOUNTING	Standard Mount				
NUMBER OF INTERNAL ANTENNA PORTS	1 Port				
COMPATIBILITY	LTE / 4G / 3G / 2G				
MAX GAIN	70 dB				
EXTERNAL ANTENNA	Outside Directional Antenna (314411)				
INTERNAL ANTENNA	Inside Panel Antenna (311135)	Inside Panel Antenna (311155)	Inside Panel Antenna (311135)	Inside Panel Antenna (311155)	Inside Panel Antenna (311135)
IMPEDANCE	50 Ohm	75 Ohm	50 Ohm	75 Ohm	50 Ohm
POWER	110-240 V AC, 50-60 Hz, 20 W				
CONNECTORS	N-Female	F-Female	N-Female	F-Female	N-Female
CABLE INCLUDED	2' Black Low Loss Wilson400 Cable (952302) 60' Black Low Loss Wilson400 Cables (952360) 75' Black Low Loss Wilson400 Cable (952375)	2' Black RG11 Cable (951127) 50' Black RG11 Cable (951150) 75' Black RG11 Cable (951175)	2' Black Low Loss Wilson400 Cable (952302) 60' Black Low Loss Wilson400 Cables (952360) 75' Black Low Loss Wilson400 Cable (952375)	2' Black RG11 Cable (951127) 50' Black RG11 Cable (951150) 75' Black RG11 Cable (951175)	2' Black Low Loss Wilson400 Cable (952302) 60' Black Low Loss Wilson400 Cables (952360) 75' Black Low Loss Wilson400 Cable (952375)
UPC	8 11815 02589 4	8 11815 02421 7	8 11815 02599 3	8 11815 02528 3	8 11815 02581 8

⚠ See the individual product pages for applicable Prop 65 Warnings.

Line Up Sheet

	 Pro 70 (50 Ohm) 465134	 Pro 70 (75 Ohm) 463134	 Pro 70 Plus (50 Ohm) 463127	 Pro 70 Plus (75 Ohm) 460127	 Pro 70 Plus Select (50 Ohm) 462127
MOUNTING	Standard Mount				
COVERAGE AREA	Up to 15k sq ft	Up to 15k sq ft	Up to 25k sq ft	Up to 25k sq ft	Up to 25k sq ft
RECOMMENDED FOR	Small Businesses and Large Homes up to 15k sq ft		Small Businesses up to 25k sq ft		
	5-Band All Carrier Cell Phone Signal Booster				
	Digital Display to view Automatic Gain Control		Self-optimizing with built-in signal meter for easy tower locating. +/- 12 dBm downlink power		Adjustable uplink and downlink gain controls
EXTERNAL ANTENNA OPTIONS	Wide Band Directional Antenna (314411) 4G Omni Plus Building Antenna (304422) 4G Omni Building Antenna (304424)				
INTERNAL ANTENNA OPTIONS	4G Dome Antenna (304412) Panel Antenna (311135) Low Profile Antennas (314406 & 314407)				
CABLE OPTIONS	60' Wilson400 Cable, 100' Wilson400 Cable	RG11 Cable	75' Wilson400 Cable, 100' Wilson400 Cable	RG11 Cable	75' Wilson400 Cable, 60' Wilson400 Cable
FREQUENCIES MHZ	Band 12/17: uplink: 698-716; downlink: 729-746 Band 13: uplink: 777-787; downlink: 746-756 Band 5: uplink: 824-849; downlink: 869-894 Band 4: uplink: 1710-1785; downlink: 2110-2155 Band 2/25: uplink: 1850-1915; downlink: 1930-1995				
BOOSTER DIMENSIONS	Length - 8.875 inches Width - 6 inches Height - 1.5 inches				
BOOSTER WEIGHT	2.78 lbs				
UPC	8 11815 02589 4	8 11815 02421 7	8 11815 02599 3	8 11815 02528 3	8 11815 02581 8

⚠ See the individual product pages for applicable Prop 65 Warnings.

Pro 4000

SKU: 460223

FEATURES

- Incorporates four independently controlled indoor antennas
- XDR technology: never shuts down, even with very strong outside cellular signals
- +12 dBm downlink power, per port, for highest available indoor coverage
- Self-optimizing design minimizes installation time
- Up to 100,000 sq. ft. coverage
- Full color display, indicating gain and power levels of each band, for easy antenna setup
- Compatible with all U.S. cellular networks

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RACK MOUNT OPTION:

Pro 4000R

SKU: 460231

Kit Includes

Pro 4000 Booster

Outside Directional Antenna (314411)

Inside Dome Antenna x4 (304412)

Lightning Surge Protector (859902)

2ft Low-Loss Wilson400 Cable (952302)

75ft Low-Loss Wilson400 Cable (952375)

100ft Low-Loss Wilson400 Cable x4 (952300)

About

The WilsonPro Pro 4000 passive distributed antenna system is a wall (or RACK with 460231) mounted, multi-amplifier cell booster to incorporate four separate signal amplifiers feeding multiple indoor antennas.

Designed to provide enhanced in-building cellular coverage for all commercial spaces, including hospitals, hotels, warehouses and offices, the WilsonPro Pro 4000 amplifies weak cell signals to provide reliable voice and data coverage–including 4G – to inside spaces where signals may not penetrate.
With new eXtended Dynamic Range (XDR) technology, the amplifier never shuts off due to a strong outside signal or changes in outside signal strength.

Like all WilsonPro cellular signal boosters, the WilsonPro Pro 4000 features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

MODEL NUMBER	460223* • 460231*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	3.75 x 11.5 x 18 in • 1.75 x 19 x 12.5	
BOOSTER WEIGHT	15.405 lbs • 5.45 lbs	

Detailed Specifications

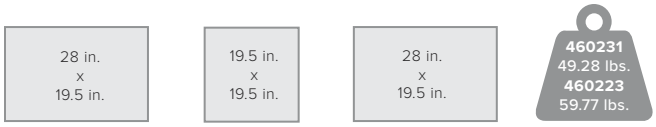
	4000			4000R	
Model Number	460023			460231	
FCC ID	PWO460023			PWO460031	
Connectors	N-Female				
Antenna Impedance	50 Ohms\				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1990 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
	57.8	57.8	59.8	62.5	63.6
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.8	29.9	36.4	76.7	73.8
Maximum	35.2	35.2	37.4	79.2	74.4
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	24.7	25.5	24.8	25.8	25.2
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	10.9	10.9	10.6	10.7	8.7
Power output for multiple received channels (Uplink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	18.0	18.3	21.1	17.6	22.1
3	14.5	14.8	17.6	14.1	18.6
4	12.0	12.3	15.1	11.6	16.1
5	10.0	10.3	13.1	9.6	14.1
6	8.5	8.8	11.6	8.1	12.6
Power output for multiple received channels (Downlink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	11.2	12.5	14.0	11.4	10.5
3	7.7	9.0	10.5	7.9	7.0
4	5.2	6.5	8.0	5.4	4.5
5	3.2	4.5	6.0	3.4	2.5
6	1.7	3.0	4.5	1.9	1.0
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	110-240 V AC, 50-60 Hz, 30 W				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

Package Dimensions

460231 / 460223 - 19.5 L x 19.5 H x 28 W



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: TBD

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 4000

PRO 4000R

460223-460231_WilsonPro4000/4000R_SS_Rev04_US_100518

Pro 1000R

SKU: 460237

FEATURES

- +15 dBm maximum downlink power
- XDR technology: never shuts down, even with very strong outside cellular signals
- Full color display, indicating gain and power levels of each band, for easy antenna setup
- Compatible with all U.S cellular networks
- Integrated power supply

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WALL MOUNT OPTION:

Pro 1000

SKU: 460236

Kit Includes

Pro 1000R Booster

Outside Directional Antenna (314411)

Inside Dome Antenna x1 (304412)

Lightning Surge Protector (859902)

2ft Low-Loss Wilson400 Cable (952302)

75ft Low-Loss Wilson400 Cable (952375)

100ft Low-Loss Wilson400 Cable (952300)

About

The **WilsonPro Pro 1000R** passive distributed antenna system is the first rack mounted, cellular amplifier designed to provide enhanced in-building cellular coverage for all commercial spaces, including large homes, hospitals, hotels, warehouses and offices.

The WilsonPro Pro 1000R amplifies weak cellular signals to provide reliable voice and data coverage–including 4G – to inside spaces where signals may not penetrate and With new eXtended Dynamic Range (XDR) technology, the amplifier never shuts off due to a strong outside signal or changes in outside signals.

Like all WilsonPro cellular signal boosters, the WilsonPro Pro 1000R features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

MODEL NUMBER	460237* • 460236*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	1.75 x 19 x 12.5 • 3.75 x 11.5 x 18 in	
BOOSTER WEIGHT	5.45 lbs • 15.405 lbs	

Detailed Specifications

	1000R			1000	
Model Number	460237			460236	
FCC ID	PWO460037			PWO460036	
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
	57.6	58.0	59.2	65.7	65.2
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.6	30.3	36.8	77.5	74.5
Maximum	35.4	35.4	37.8	81.0	75.1
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	25.3	25.8	24.7	26.2	25.3
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	15.2	13.9	15.4	15.4	15.4
Power output for multiple received channels (Uplink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	23.0	23.9	20.4	22.4	22.1
3	19.5	20.4	16.9	18.9	18.6
4	17.0	17.9	14.4	16.4	16.1
5	15.0	15.9	12.4	14.4	14.1
6	13.5	14.4	10.9	12.9	12.6
Power output for multiple received channels (Downlink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	16.1	15.2	15.3	12.0	15.3
3	12.6	11.7	11.8	8.5	11.8
4	10.1	9.2	9.3	6.0	9.3
5	8.1	7.2	7.3	4.0	7.3
6	6.6	5.7	5.8	2.5	5.8
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	12V 3A				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

Package Dimensions

19.5 L x 19.5 H x 28 W

28 in. x 19.5 in.	19.5 in. x 19.5 in.	28 in. x 19.5 in.	TBD lbs.
FRONT	**SIDE**	**TOP/BOTTOM**	**WEIGHT**

MASTER CARTON: None

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 1000

8 11815 02688 4

PRO 1000R

8 11815 02719 5

460237-460236_1000R•1000_SS_US_Rev04_100518

PRO 1000R • PRO 1000 SKU: 460237 • 460236

Pro 1000C

Includes **WilsonPro Cloud** Service Integration

FEATURES

- +15 dBm maximum downlink power
- XDR technology: never shuts down, even with very strong outside cellular signals
- Full color display, indicating gain and power levels of each band, for easy antenna setup
- Compatible with all U.S. cellular networks
- Integrated power supply
- New! Pro 1000C connects to **WilsonPro Cloud** via an LTE connection through the outside donor antenna, or through a traditional RJ-45 “hardwired” ethernet connection.
- Annual **WilsonPro Cloud** subscription includes wireless LTE connection; no additional internet connection required
- Provides end users with high reliability and minimal downtime

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro 1000C Booster


Outside Directional Antenna (314411)


Inside Dome Antenna x1 (304412)


Lightning Surge Protector (859902)


2ft Low-Loss Wilson400 Cable (952302)


75ft Low-Loss Wilson400 Cable (952375)


100ft Low-Loss Wilson400 Cable (952300)

About

The **WilsonPro Pro 1000C** passive distributed antenna system is a wall mounted cellular amplifier designed to provide enhanced in-building cellular coverage for all commercial spaces, including large homes, hospitals, hotels, warehouses and offices.

The WilsonPro Pro 1000C amplifies weak cellular signals to provide reliable voice and data coverage–including 4G – to inside spaces where signals may not penetrate and With new eXtended Dynamic Range (XDR) technology, the amplifier never shuts off due to a strong outside signal or changes in outside signals.

Like all WilsonPro cellular signal boosters, the WilsonPro Pro 1000C features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

MODEL NUMBER	460242*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	3.75 x 11.5 x 18 in	
BOOSTER WEIGHT	15.4 lbs	

Detailed Specifications

	1000C				
Model Number	460242				
FCC ID	PWO460042				
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 729-746 MHz, 777-787 MHz, 824-894 MHz, 1850-1990 MHz, 1710-1755/2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	20.9	22.9	22.70	24.30	21.70
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	16.7	15.0	16.0	16.4	15.5
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	12V 3A				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

WilsonPro Cloud provides:

- Customizable email and text alert notifications, including:
  - Amplifier goes offline
  - Oscillation occurs
  - Weak or no signal detected
  - Performance and signal level reporting and history
  - Report generation
- Donor antenna "tuning" tool
- Organization of monitored amplifiers by customer and location
- Ability to remotely turn bands on and off, and remote amplifier reset

Package Dimensions

19.5 L x 19.5 H x 28 W

28 in. x 19.5 in.	19.5 in. x 19.5 in.	28 in. x 19.5 in.	TBD lbs.
FRONT	**SIDE**	**TOP/BOTTOM**	**WEIGHT**

MASTER CARTON: None

FOR PARTNER'S USE

460242_1000C_SS_Rev02_US_100518

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 1000C

8 11815 02784 3

PRO 1000C SKU: 460242

Pro 1050

SKU: 460230

FEATURES

- Industry's first FCC & carrier approved "inline" cellular booster system
- Consists of "main" booster and "inline" booster
- "Inline" booster installed deep inside building and compensates for signal loss in long cable runs to inside antennas
- XDR technology: never shuts down due to overload, even with very strong outside cellular signals
- Automatically compensates for signal loss in up to 300' of cable
- Compatible with all U.S cellular networks
- Up to +15 dBm downlink power at indoor antenna port, for maximum indoor coverage area

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

INLINE BOOSTER:

Not sold separately

Kit Includes

WilsonPro Pro 1050 Two-Part Booster System

Wide Band Directional Antenna + 75' Wilson 400 Cable

Dome Antenna + 100' Wilson 400 Cable

Lightning Surge Protector

100' Wilson 400 Cable

2' Wilson 400 Cable

About

The **WilsonPro Pro 1050** passive distributed antenna system is the first FCC and carrier-approved "in-line" booster solution, providing reliable cell coverage deep inside hard-to-reach areas of buildings, such as equipment rooms, and lower floors of high-rise buildings. The system consists of two units: a main amplifier and an inline amplifier, located up to 300' from the main booster. The inline booster compensates for signal loss up to 300' of Wilson400 cable.

The WilsonPro Pro 1050 system amplifies weak cell signals to provide reliable voice and data coverage–including 4G to inside spaces where signals may not penetrate. With new eXtended Dynamic Range (XDR) technology, the amplifier never shuts off due to a strong outside signal or changes in outside signals.

Like all WilsonPro cellular signal boosters, the WilsonPro Pro 1050 features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

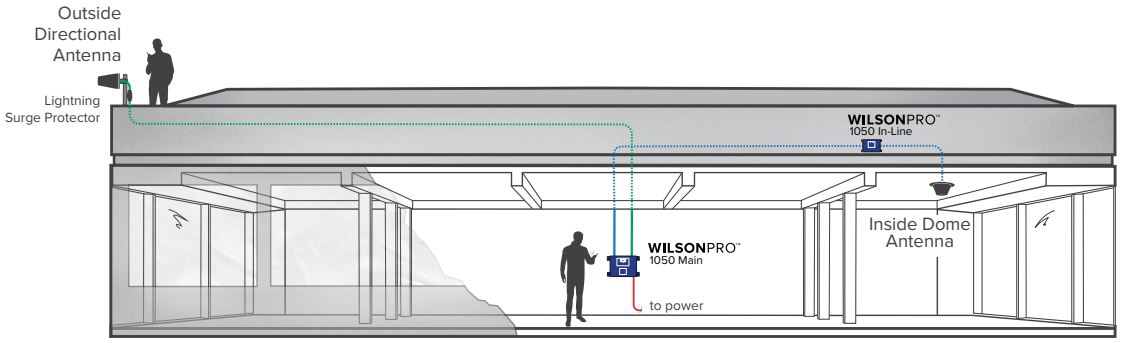
MODEL NUMBER	460230*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	3.75 x 11.5 x 18 in	
BOOSTER WEIGHT	9.280 lbs (In-line 1.120 lbs)	

Detailed Specifications

	Pro 1050				
Model Number	460030				
FCC ID	PWO460030 / PWO0460030IL				
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	24.7	24.7	24.4	25.1	24.5
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	14.8	14.3	15.6	15	15.1
	1050 Main			**1050 In-Line**	
Noise Figure	5 dB nominal			5 dB nominal	
Isolation	> 90 dB			> 90 dB	
Power Requirements	110-220V AC			5V 3A	

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Install Diagram



Package Dimensions

19.5 L x 19.5 H x 28 W

28 in. x 19.5 in.	19.5 in. x 19.5 in.	28 in. x 19.5 in.	44.82 lbs.
FRONT	**SIDE**	**TOP/BOTTOM**	**WEIGHT**

MASTER CARTON: None

FOR PARTNER'S USE

460230_1050_SS_US_Rev04_100518

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 1050

8 11815 02700 3

PRO 1050 SKU: 460230

Pro 70 Plus (50 Ω)

SKU: 463127

FEATURES

- +12 dBm downlink power for highest available indoor coverage
- Features a self-optimizing microprocessor with a built-in graphical signal meter for easy tower location
- Boosts cell phone signal inside a building or large area up to 25,000 sq. ft.
- Cell site protections that prevent interference with the carriers' system
- Self-optimizing design minimizes installation time
- Expansion kits available for large scale installations
- 5-Band All Carrier Cell Phone Signal Booster
- Digital Display to view Automatic Gain Control

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro 70 Plus (50 Ohm)


Outside Directional Antenna (314411)


Inside Panel Antenna (311135)


Lightning Surge Protector (859902)


2ft Low-Loss Wilson400 Cable (952302)


60ft Low-Loss Wilson400 Cable (952360)


75ft Low-Loss Wilson400 Cable (952375)


120v AC Power Supply (850010)

About

The **Pro 70 Plus** passive distributed antenna system from Wilson Electronics amplifies weak cellular signals to provide reliable voice and data coverage - including 4G - inside homes and other buildings where signals may not penetrate. The Pro 70 Plus features a self-optimizing microprocessor with a built-in graphical signal meter. The uplink and downlink power display makes it easy for the integrator to determine the direction of the cell tower and the strength of the available signal, which greatly reduce installation time.

Like all Wilson boosters, the Pro 70 Plus features cell site protections that prevent any possibility of interference with cell towers. Wilson Electronics quality and our industry-leading three year warranty make the Pro 70 Plus the clear choice for the professional technology integrator.

Specifications

MODEL NUMBER	463127* • 463227* • 463327*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	1.5 x 6 x 8.75 in	
BOOSTER WEIGHT	2.78 lbs	

Detailed Specifications

	Pro 70 Plus™ 50 Ohm				
Model Number	463027				
FCC ID	PWO460027				
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 728-757 MHz, 776-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
	56.0	55.2	58.9	60.7	60.7
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.9	28.6	38.7	82.6	81.8
Maximum	34.4	34.4	40.3	85.0	85.9
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	20.4	20.82	25.16	23.0	21.42
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	11.57	10.41	9.4	11.3	9.47
Power output for multiple received channels (Uplink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	18.0	17.6	24.9	20.0	18.6
3	14.5	14.0	21.4	16.4	15.1
4	12.0	11.5	18.9	13.9	12.6
5	10.0	9.6	16.9	12.0	10.7
6	8.4	8.0	15.3	10.4	9.1
Power output for multiple received channels (Downlink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	9.50	7.60	10.00	11.70	9.10
3	6.00	4.10	6.50	8.20	5.60
4	3.50	1.60	4.00	5.70	3.10
5	1.60	-0.40	2.00	3.80	1.10
6	0.00	-1.90	0.40	2.20	-0.40
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	110-240 V AC, 50-60 Hz, 20 W				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Additional Product Kits

Pro 70 Plus (50 OHM) Directional/Dome Kit

463227*

1 Pro 70 Plus (50 OHM)
1 Wide Band Directional Antenna
1 4G Dome Ceiling Antenna
1 Lightning Surge Protector
1 2ft Low-Loss Wilson400 Cable
1 60ft Low-Loss Wilson400 Cable
1 75ft Low-Loss Wilson400 Cable
1 120v AC Power Supply

Pro 70 Plus (50 OHM) Omni/Dome Kit

463327*

1 Pro 70 Plus (50 OHM)
1 4G Omni Building Antenna
1 4G Dome Ceiling Antenna
1 Lightning Surge Protector
1 2ft Low-Loss Wilson400 Cable
1 60ft Low-Loss Wilson400 Cable
1 75ft Low-Loss Wilson400 Cable
1 120v AC Power Supply

Antenna Expansion Kits

Single Antenna Expansion Kit

309906-50N*

1 Wall Mount Panel Antenna
1 50 Ohm 2-Way Splitter
1 2ft. Wilson400 Cable
1 60ft. Wilson400 Cable

Double Antenna Expansion Kit

309907-50N*

2 Wall Mount Panel Antenna
1 50 Ohm 3-Way Splitter
1 2ft. Wilson400 Cable
2 60ft. Wilson400 Cable

Triple Antenna Expansion Kit

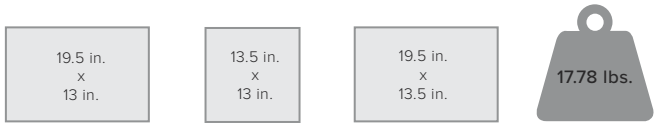
309908-50N*

3 Wall Mount Panel Antenna
1 50 Ohm 4-Way Splitter
1 2ft. Wilson400 Cable
3 60ft. Wilson400 Cable

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Package Dimensions

13 L x 19.5 W x 13.5 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: 28 L x 14 W x 20 H | 38 lbs.

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 70 PLUS (50 OHM)

8 11815 02599 3

PRO 70 PLUS (50 OHM) OMNI/DOME KIT

8 11815 02703 4

PRO 70 PLUS (50 OHM) DIRECTIONAL/DOME KIT

8 11815 02702 7

463127_Pro70Plus-50Ohm_SS_US_Rev04_100518

PRO 70 PLUS (50 OHM) SKU: 463127 • 463227 • 463327

Pro 70 Plus (75 Ω)

SKU: 460127

FEATURES

- +12 dBm downlink power for highest available indoor coverage
- Features a self-optimizing microprocessor with a built-in graphical signal meter for easy tower location
- Boosts cell phone signal inside a building or large area up to 25,000 sq. ft.
- Cell site protections that prevent interference with the carriers' system
- Self-optimizing design minimizes installation time
- Expansion kits available for large scale installations
- 5-Band All Carrier Cell Phone Signal Booster
- Digital Display to view Automatic Gain Control

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro 70 Plus (75 Ohm)


Outside Directional Antenna (314475)

Inside Panel Antenna (311155)


Lightning Surge Protector (859992)


2ft Black RG11 Cable (951127)


50ft Black RG11 Cable (951150)


75ft Black RG11 Cable (951175)


120v AC Power Supply (850010)

About

The **Pro 70 Plus** passive distributed antenna system from Wilson Electronics amplifies weak cellular signals to provide reliable voice and data coverage - including 4G - inside homes and other buildings where signals may not penetrate. The Pro 70 Plus features a self-optimizing microprocessor with a built-in graphical signal meter. The uplink and downlink power display makes it easy for the integrator to determine the direction of the cell tower and the strength of the available signal, which greatly reduce installation time.

Like all Wilson boosters, the Pro 70 Plus features cell site protections that prevent any possibility of interference with cell towers. Wilson Electronics quality and our industry-leading three year warranty make the Pro 70 Plus the clear choice for the professional technology integrator.

Specifications

MODEL NUMBER	460127* • 460227*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	75 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	F-Female	
BOOSTER DIMENSIONS	1.5 x 6 x 8.5 in	
BOOSTER WEIGHT	2.78 lbs	

Detailed Specifications

	Pro 70 Plus™				
Model Number	460027				
FCC ID	PWO460027				
Connectors	F-Female				
Antenna Impedance	75 Ohms				
Frequency	698-716 MHz, 746-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
	56.0	55.2	58.9	60.7	60.7
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.9	28.6	38.7	82.6	81.8
Maximum	34.4	34.4	40.3	85.0	85.9
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	20.4	20.82	25.16	23.0	21.42
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	11.57	10.41	9.4	11.3	9.47
Power output for multiple received channels (Uplink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	18.0	17.6	24.9	20.0	18.6
3	14.5	14.0	21.4	16.4	15.1
4	12.0	11.5	18.9	13.9	12.6
5	10.0	9.6	16.9	12.0	10.7
6	8.4	8.0	15.3	10.4	9.1
Power output for multiple received channels (Downlink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	9.50	7.60	10.00	11.70	9.10
3	6.00	4.10	6.50	8.20	5.60
4	3.50	1.60	4.00	5.70	3.10
5	1.60	-0.40	2.00	3.80	1.10
6	0.00	-1.90	0.40	2.20	-0.40
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	110-240 V AC, 50-60 Hz, 20 W				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Additional Product Kits

Pro 70 Plus (75 OHM) Directional/Dome Kit
460227*
1 Pro 70 Plus (75 OHM)
1 Wide Band Directional Antenna
1 4G Dome Ceiling Antenna
1 Lightning Surge Protector
1 2ft Black RG11 Cable
1 50ft Black RG11 Cable
1 75ft Black RG11 Cable
1 120v AC Power Supply

Antenna Expansion Kits

Single Antenna Expansion Kit
309909-75F*
1 Wall Mount Panel Antenna
1 75 Ohm 2-Way Splitter
1 2ft. RG11 Cable
1 50ft. RG11 Cable

Double Antenna Expansion Kit
309910-75F*
2 Wall Mount Panel Antenna
1 75 Ohm 3-Way Splitter
1 2ft. RG11 Cable
2 50ft. RG11 Cable

Triple Antenna Expansion Kit
309911-75F*
3 Wall Mount Panel Antenna
1 75 Ohm 4-Way Splitter
1 2ft. RG11 Cable
3 50ft. RG11 Cable

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Package Dimensions

19.25 L x 13 W x 13.25 H

19.5 in. x 13 in.	13.5 in. x 13 in.	19.5 in. x 13.5 in.	16.14 lbs.
FRONT	**SIDE**	**TOP/BOTTOM**	**WEIGHT**

MASTER CARTON: 28 L x 14 W x 20 H | 35 lbs.

FOR PARTNER'S USE

460127_Pro70Plus-75Ohm_SS_US_Rev03_100518

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 70 PLUS (75 OHM)
8 11815 02528 3

PRO 70 PLUS (75 OHM) DIRECTIONAL/DOME KIT
8 11815 02795 9

PRO 70 PLUS (75 OHM) SKU: 460127 • 460227

Pro 70 Plus Select (50 Ω)

SKU: 462127

FEATURES

- +12 dBm downlink power for highest available indoor coverage
- Adjustable uplink and downlink gain controls
- Graphical uplink & downlink power meter
- Boosts cell phone signal inside a building or large area up to 25,000 sq. ft.
- Up to 70 dB gain

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro 70 Plus Select (50Ω)


Wide Band Directional Antenna (314411)


Dual Band Panel Antenna (311135)


Lightning Surge Protector (859902)


2ft Low-Loss Wilson400 Cable (952302)


60ft Low-Loss Wilson400 Cable (952360)


75ft Low-Loss Wilson400 Cable (952375)


120v AC Power Supply (850010)

About

Designed to provide enhanced indoor cellular coverage for all commercial space, including hospitals and offices. The **Pro 70 Plus Select** passive distributed antenna system from Wilson Electronics amplifies weak cellular signals to provide reliable voice and data coverage – including 4G – to inside spaces where signals may not penetrate. Adjustable controls on each band make it easy to adjust the uplink and downlink gain, while the onboard software and microprocessor automatically prevents the booster from exceeding FCC limits.

The Pro 70 Plus Select also carries the same great features as the Pro 70 Plus, including maximum permitted downlink power, for maximum coverage, and built-in signal strength meter for easy tower location. Wilson Electronics quality and an industry-leading three year warranty make the Pro 70 Plus Select a clear choice for the professional technology integrator.

Specifications

MODEL NUMBER	462127* • 462227* • 462327*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	8.875 x 6.0 x 1.5 in	
BOOSTER WEIGHT	2.78 lbs	

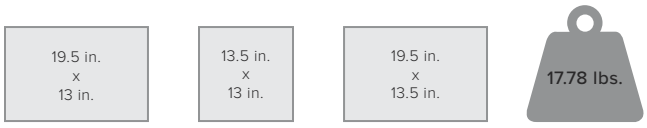
Detailed Specifications

	Pro 70 Plus Select				
Model Number	U462027				
FCC ID	PWO460027				
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 746-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
	56.0	55.2	58.9	60.7	60.7
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.9	28.6	38.7	82.6	81.8
Maximum	34.4	34.4	40.3	85.0	85.9
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	20.4	20.82	25.16	23.0	21.42
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	11.57	10.41	9.4	11.3	9.47
Power output for multiple received channels (Uplink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	18.0	17.6	24.9	20.0	18.6
3	14.5	14.0	21.4	16.4	15.1
4	12.0	11.5	18.9	13.9	12.6
5	10.0	9.6	16.9	12.0	10.7
6	8.4	8.0	15.3	10.4	9.1
Power output for multiple received channels (Downlink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	9.50	7.60	10.00	11.70	9.10
3	6.00	4.10	6.50	8.20	5.60
4	3.50	1.60	4.00	5.70	3.10
5	1.60	-0.40	2.00	3.80	1.10
6	0.00	-1.90	0.40	2.20	-0.40
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	110-240 V AC, 50-60 Hz, 20 W				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Package Dimensions

13.5 L x 13 H x 19.5 W



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: 28 L x 14 W x 20 H | 38 lbs.

FOR PARTNER'S USE

462127_70PlusSelect_SS_Rev04_US_100518

Additional Product Kits

Pro 70 Plus Select (50 OHM) Directional/Dome Kit
462227*
1 Pro 70 Plus Select (50 OHM)
1 Wide Band Directional Antenna
1 4G Dome Ceiling Antenna
1 Lightning Surge Protector
1 2ft Low-Loss Wilson400 Cable
1 60ft Low-Loss Wilson400 Cable
1 75ft Low-Loss Wilson400 Cable
1 120v AC Power Supply

Pro 70 Plus Select (50 OHM) Omni/Dome Kit
462327*
1 Pro 70 Plus Select (50 OHM)
1 4G Omni Building Antenna
1 4G Dome Ceiling Antenna
1 Lightning Surge Protector
1 2ft Low-Loss Wilson400 Cable
1 60ft Low-Loss Wilson400 Cable
1 75ft Low-Loss Wilson400 Cable
1 120v AC Power Supply

Antenna Expansion Kits

Single Antenna Expansion Kit
309906-50N*
1 Wall Mount Panel Antenna
1 50 Ohm 2-Way Splitter
1 2ft. Wilson400 Cable
1 60ft. Wilson400 Cable

Double Antenna Expansion Kit
309907-50N*
2 Wall Mount Panel Antenna
1 50 Ohm 3-Way Splitter
1 2ft. Wilson400 Cable
2 60ft. Wilson400 Cable

Triple Antenna Expansion Kit
309908-50N*
3 Wall Mount Panel Antenna
1 50 Ohm 4-Way Splitter
1 2ft. Wilson400 Cable
3 60ft. Wilson400 Cable

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Support

3 Year Warranty from Purchase

Website: http://support.weboost.com

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 70 PLUS SELECT
8 11815 02581 8

PRO 70 PLUS SELECT (50 OHM) DIRECTIONAL/DOME KIT
8 11815 02705 8

PRO 70 PLUS SELECT (50 OHM) OMNI/DOME KIT
8 11815 02704 1

Pro 70 (50 Ω)

SKU: 465134

FEATURES

- Cell phone signal boost coverage up to 15,000 sq. ft
- Cell site protections that prevent interference with the carriers' system
- Self-optimizing design minimizes installation time
- Expansion kits available for large scale installations
- 5-Band All Carrier Cell Phone Signal Booster
- Digital Display to view Automatic Gain Control

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro 70 (50 Ohm)


Outside Directional Antenna (314411)


Inside Panel Antenna (311135)


Lightning Surge Protector (859902)


2ft Low-Loss Wilson400 Cable (952302)


60ft Low-Loss Wilson400 Cable (952360)


75ft Low-Loss Wilson400 Cable (952375)


120v AC Power Supply (850010)

About

The **Pro 70** passive distributed antenna system from Wilson Electronics amplifies weak cellular signals to provide reliable voice and data coverage - including 4G - inside homes and other buildings where signals may not penetrate.

Like all Wilson boosters, the Pro 70 features cell site protections that prevent any possibility of interference with cell towers. Wilson Electronics quality and our industry-leading three year warranty make the Pro 70 the clear choice for the professional technology integrator.

Specifications

MODEL NUMBER	465134*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	1.5 x 6 x 8.75 in	
BOOSTER WEIGHT	2.78 lbs	

Detailed Specifications

	Pro 70™- 50 Ohm				
Model Number	465034				
FCC ID	PWO460027				
Connectors	N-Female				
Antenna Impedance	50 Ohm				
Frequency	698-716 MHz, 728-757 MHz, 776-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/ 2100MHz**	**1900MHz**
	56.0	55.2	58.9	60.7	60.7
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.9	28.6	38.7	82.6	81.8
Maximum	34.4	34.4	40.3	85.0	85.9
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	20.4	20.82	25.16	23.0	21.42
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	-0.40	-2.10	-2.00	0.90	-1.40
Power output for multiple received channels (Uplink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	18.0	17.6	24.9	20.0	18.6
3	14.5	14.0	21.4	16.4	15.1
4	12.0	11.5	18.9	13.9	12.6
5	10.0	9.6	16.9	12.0	10.7
6	8.4	8.0	15.3	10.4	9.1
Power output for multiple received channels (Downlink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	0.20	-2.20	-0.80	0.70	2.10
3	-3.30	-5.70	-4.30	-2.80	-1.40
4	-5.80	-8.20	-6.80	-5.30	-3.90
5	-7.70	-10.10	-8.70	-7.20	-5.80
6	-9.30	-11.70	-10.30	-8.80	-7.40
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	110-240 V AC, 50-60 Hz, 20 W				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Additional Product Kits

Antenna Expansion Kits

Single Antenna Expansion Kit

309906-50N*

1 Wall Mount Panel Antenna
1 50 Ohm 2-Way Splitter
1 2ft. Wilson400 Cable
1 60ft. Wilson400 Cable

Double Antenna Expansion Kit

309907-50N*

2 Wall Mount Panel Antenna
1 50 Ohm 3-Way Splitter
1 2ft. Wilson400 Cable
2 60ft. Wilson400 Cable

Triple Antenna Expansion Kit

309908-50N*

3 Wall Mount Panel Antenna
1 50 Ohm 4-Way Splitter
1 2ft. Wilson400 Cable
3 60ft. Wilson400 Cable

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Package Dimensions

13 L x 19.5 W x 13.5 H

19.5 in. x 13 in.	13.5 in. x 13 in.	19.5 in. x 13.5 in.	17.78 lbs.
FRONT	**SIDE**	**TOP/BOTTOM**	**WEIGHT**

MASTER CARTON: 28 L x 14 W x 20 H | 38 lbs.

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

Pro 70 (50 Ohm)

8 11815 02589 4

465134_Pro70-50Ohm_SS_US_Rev04_100518

PRO 70 (50 OHM)

SKU: 465134

Pro 70 (75 Ω)

SKU: 463134

FEATURES

- Cell phone signal boost coverage up to 15,000 sq. ft
- Cell site protections that prevent interference with the carriers' system
- Self-optimizing design minimizes installation time
- Expansion kits available for large scale installations
- 5-Band All Carrier Cell Phone Signal Booster
- Digital Display to view Automatic Gain Control

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro 70 (75 Ohm)


Outside Directional Antenna (314475)

Inside Panel Antenna (311155)


Lightning Surge Protector (859992)


2ft Black RG11 Cable (951127)


50ft Black RG11 Cable (951150)


75ft Black RG11 Cable (951175)


120v AC Power Supply (850010)

About

The **Pro 70** passive distributed antenna system from Wilson Electronics amplifies weak cellular signals to provide reliable voice and data coverage - including 4G - inside homes and other buildings where signals may not penetrate.

Like all Wilson boosters, the Pro 70 features cell site protections that prevent any possibility of interference with cell towers. Wilson Electronics quality and our industry-leading three year warranty make the Pro 70 the clear choice for the professional technology integrator.

Specifications

MODEL NUMBER	463134*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	75 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	F-Female	
BOOSTER DIMENSIONS	1.5 x 6 x 8.5 in	
BOOSTER WEIGHT	2.78 lbs	

Detailed Specifications

	Pro 70™				
Model Number	463034				
FCC ID	PWO460027				
Connectors	F-Female				
Antenna Impedance	75 Ohms				
Frequency	698-716 MHz, 728-757 MHz, 776-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17** 56.0	**700MHz Band13** 55.2	**800MHz** 58.9	**1700/ 2100MHz** 60.7	**1900MHz** 60.7
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.9	28.6	38.7	82.6	81.8
Maximum	34.4	34.4	40.3	85.0	85.9
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17** 20.4	**700MHz Band13** 20.82	**800MHz** 25.16	**1700MHz** 23.0	**1900MHz** 21.42
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17** -0.40	**700MHz Band13** -2.10	**800MHz** -2.00	**1700MHz** 0.90	**1900MHz** -1.40
Power output for multiple received channels (Uplink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	18.0	17.6	24.9	20.0	18.6
3	14.5	14.0	21.4	16.4	15.1
4	12.0	11.5	18.9	13.9	12.6
5	10.0	9.6	16.9	12.0	10.7
6	8.4	8.0	15.3	10.4	9.1
Power output for multiple received channels (Downlink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	0.20	-2.20	-0.80	0.70	2.10
3	-3.30	-5.70	-4.30	-2.80	-1.40
4	-5.80	-8.20	-6.80	-5.30	-3.90
5	-7.70	-10.10	-8.70	-7.20	-5.80
6	-9.30	-11.70	-10.30	-8.80	-7.40
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	110-240 V AC, 50-60 Hz, 20 W				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Additional Product Kits

Single Antenna Expansion Kit
309909-75F*
1 Wall Mount Panel Antenna
1 75 Ohm 2-Way Splitter
1 2ft. RG11 Cable
1 50ft. RG11 Cable

Double Antenna Expansion Kit
309910-75F*
2 Wall Mount Panel Antenna
1 75 Ohm 3-Way Splitter
1 2ft. RG11 Cable
2 50ft. RG11 Cable

Triple Antenna Expansion Kit
309911-75F*
3 Wall Mount Panel Antenna
1 75 Ohm 4-Way Splitter
1 2ft. RG11 Cable
3 50ft. RG11 Cable

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Package Dimensions

13 L x 19.5 W x 13.5 H

FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: 28 L x 14 W x 20 H | 35 lbs.

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO 70 (75 OHM)

8 11815 02421 7

463134_Pro70-75Ohm_SS_US_Rev04_100518

Pro Signal 4G

SKU: 460119

NOW WITH PASSIVE RF BYPASS

FEATURES

- Direct connect amplifier - connects directly to data modem
- Improves transmissions speeds while reducing resending of data
- Configurable to fit virtually any M2M (machine to machine) install
- Boosts 4G, 3G, and 2G for all carriers
- Bi-directional amplified signals to and from the cell tower
- Auto-power control ensures maximum output
- **Now with passive RF bypass failover**. If the Pro Signal 4G loses power, the amplifier is "bypassed" so that the external antenna maintains connection to the modem.

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro Signal 4G


Mini-Magnet Antenna (301126)


3' RG174 Cable (951151)


Power Supply (850012)

About

Developed specifically for M2M installations, the WilsonPro Pro Signal 4G direct-connect amplifier system is based on the same time-tested, market-proven technologies powering our entire line of commercial cellular signal boosters. The Pro Signal 4G is ready to integrate with cellular modems, providing reliable signal that ensures successful data transfer. This booster kit works with all U.S. cellular networks. The Pro Signal 4G's compact form factor makes it an ideal component for installations in weak signal environments. The Pro Signal 4G kit includes the Wilson 4-inch mini magnet cellular antenna for maximum system gain to overcome weak signals. The Pro Signal 4G is FCC certified. The Pro Signal 4G allows OEMs to source a compact, powerful and highly compatible signal booster that is ready to deploy. Integrators can more easily custom design M2M communication systems that fit in tightly constrained spaces. In locations where cellular signals are weak due to distance from the cell site, terrain features, or building materials like concrete and steel, the Pro Signal 4G provides a strong, reliable signal.

Specifications

MODEL NUMBER	460119* • 460219* • 461119*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	15 dB	
IMPEDANCE	50 Ohm	
POWER	110/240Vac, 50Hz/60Hz, 5VDC-5A	
CONNECTORS	SMA Female	
BOOSTER DIMENSIONS	1.25 x 3.5 x 6.25 in	
BOOSTER WEIGHT	1.085 lbs	

Detailed Specifications

	Pro Signal 4G				
Model Number	460019				
FCC ID	PWO460019				
Connectors	SMA				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 746-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (typical)	**700MHz Band12/17** 11.8	**700MHz Band13** 11.0	**800MHz** 10.0	**1700/2100MHz** 7.1	**1900MHz** 8.6
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.5	31.6	38.4	81.8	75.4
Maximum	33.9	33.9	40.6	85.4	77.4
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	24.7	24.9	24.1	25.6	25.0
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	-6.3	-6.5	-6.5	-7.7	-5.8
Power output for multiple received channels (Uplink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	26.1	25.8	21.0	21.3	21.9
3	22.6	22.3	17.5	17.8	18.4
4	20.1	19.8	15.0	15.3	15.9
5	18.1	17.8	13.0	13.4	13.9
6	16.5	16.3	11.5	11.8	12.3
Power output for multiple received channels (Downlink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	-6.0	-5.9	-5.7	-6.8	-6.0
3	-9.5	-9.4	-9.2	-10.3	-9.5
4	-12.0	-11.9	-11.7	-12.8	-12.0
5	-14.0	-13.9	-13.7	-14.7	-14.0
6	-15.5	-15.4	-15.2	-16.3	-15.5
Noise Figure	5 dB nominal				
Isolation	> 40 dB				
Power Requirements	110/240Vac, 50Hz/60Hz, 5VDC-5A				

Additional Product Kits

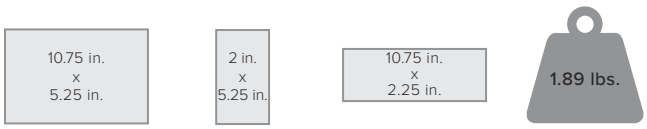
Pro Signal 4G Hardwire Kit
460219*
1 Pro Signal 4G
1 DC Hardwire Power Supply 6V/2A (859923)
1 Mini-Magnet Antenna (301126)
1 3' RG174 Cable with SMA Male Connectors (951151)

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.
The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

Package Dimensions

10.5 L x 2 W x 5.25 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: TBD

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO SIGNAL 4G
8 11815 02077 6

PRO SIGNAL 4G HARDWIRE KIT
8 11815 02654 9

PRO SIGNAL 4G SECURITY KIT
8 11815 02610 5

460119_Pro-Signal4G_SS_US_Rev04_100518

PRO SIGNAL 4G SKU: 460119

Pro Signal 4G Security Kit

SKU: 461119

NOW WITH PASSIVE RF BYPASS

FEATURES

- Connects to most all cellular connected security panels
- Improves connection reliability & reduces resending of data
- Boosts 4G LTE, 3G, and 2G for all carriers
- Bi-directional amplified signals to and from the cell tower
- Auto-power control ensures maximum output
- **RF bypass failover** - in the event the amplifier loses power, the amp is “bypassed” so the external antenna maintains connection to the security system modem

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Pro Signal 4G


50 Ohm Omni Antenna (304422)


30’ RG58 SMA Male - N Male (955833)


10” RG58 SMA Male - SMA Male (955834)


SMA Female - MCX 12” Adapter (951153)


SMA Female - MMCX 12” Adapter (951154)


AC/DC Power Supply 5V/4A (850003)

About

WilsonPro Signal 4G Security kit: Multi-Carrier Cellular Signal Amplifier for security systems. Developed specifically for cellular-enabled security systems, the WilsonPro Signal 4G Security kit is a ready-to-integrate cellular amplifier providing a strong, reliable connection with monitoring stations. Compact and powerful, the Signal 4G Security signal amplifier is ideal for residences or commercial buildings in locations plagued by a weak or spotty cellular signal. The resulting amplified cell signal speeds transmissions and reduces resending of data. The all-weather 4G Omni Plus external antenna pulls in weak cell-tower signals from all directions. The signals are amplified and passed to the security system. The process is repeated in reverse to transmit data back to tower. Bi-directional signal amplification for faster data transmission makes the Signal 4G Security perfect for the intrusion market. Auto-power control ensures the amplifier always operates at maximum output. The RF bypass failover feature allows the security system modem to maintain its connection with the external antenna, even if the cellular amplifier loses power. The Signal 4G Security kit is FCC certified, and works with 4G LTE, 3G and 2G signals for all U.S. cell service providers, including smaller regional carriers. In areas where cellular signals are weak due to distance from the cell tower, rugged terrain or dense building materials like concrete and steel that block cell reception, the Signal 4G Security kit provides a strong, reliable signal for cellular-enabled security systems.

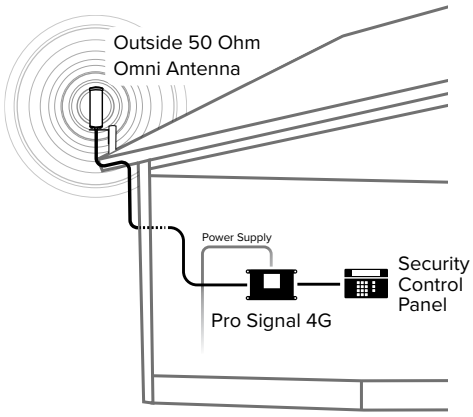
Specifications

MODEL NUMBER	461119*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	15 dB	
IMPEDANCE	50 Ohm	
POWER	110/240Vac, 50Hz/60Hz, 5VDC-5A	
CONNECTORS	SMA Female	
BOOSTER DIMENSIONS	1.25 x 3.5 x 6.25 in	
BOOSTER WEIGHT	1.085 lbs	

Detailed Specifications

	Pro Signal 4G				
Model Number	460019				
FCC ID	PWO460019				
Connectors	SMA				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 746-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (typical)	**700MHz Band12/17** 11.8	**700MHz Band13** 11.0	**800MHz** 10.0	**1700/2100MHz** 7.1	**1900MHz** 8.6
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.5	31.6	38.4	81.8	75.4
Maximum	33.9	33.9	40.6	85.4	77.4
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	24.7	24.9	24.1	25.6	25.0
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	-6.3	-6.5	-6.5	-7.7	-5.8
Power output for multiple received channels (Uplink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	26.1	25.8	21.0	21.3	21.9
3	22.6	22.3	17.5	17.8	18.4
4	20.1	19.8	15.0	15.3	15.9
5	18.1	17.8	13.0	13.4	13.9
6	16.5	16.3	11.5	11.8	12.3
Power output for multiple received channels (Downlink) dBm **No. Tones**	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	-6.0	-5.9	-5.7	-6.8	-6.0
3	-9.5	-9.4	-9.2	-10.3	-9.5
4	-12.0	-11.9	-11.7	-12.8	-12.0
5	-14.0	-13.9	-13.7	-14.7	-14.0
6	-15.5	-15.4	-15.2	-16.3	-15.5
Noise Figure	5 dB nominal				
Isolation	> 40 dB				
Power Requirements	110/240Vac, 50Hz/60Hz, 5VDC-5A				

Install Diagram



Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.
The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

Package Dimensions

10.5 L x 2 W x 5.25 H

FRONT	SIDE	TOP/BOTTOM	WEIGHT
10.75 in. x 5.25 in.	2 in. x 5.25 in.	10.75 in. x 2.25 in.	1.89 lbs.

MASTER CARTON: TBD

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO SIGNAL 4G SECURITY KIT

8 11815 02610 5

461119_Pro-Signal4G-Security-Kit_SS_US_Rev01_100518

PRO SIGNAL 4G SECURITY KIT SKU: 461119

Pro Signal 3G

SKU: 460109

FEATURES

- Direct connect amplifier - connects directly to data modem
- Improves transmissions speeds while reducing resending of data
- Configurable to fit virtually any M2M (machine to machine) installation
- Boosts 3G and 2G for all carriers
- Bi-directional amplified signals to and from the cell tower
- Auto-power control ensures maximum output

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes

Pro Signal 3G

Outside 12” Magnet Antenna (311125)

3’ RG174 Cable (951151)

Power Supply (859969)

About

Developed specifically for M2M/IoT installations, the WilsonPro **Pro Signal 3G** direct-connect amplifier system is based on the same field-tested, market-proven technology that powers all Wilson’s cellular signal boosters. The Pro Signal 3G is ready to integrate with cellular modems to provide reliable signal that ensures successful data transfer. This booster kit works with all U.S. wireless service provider networks.

The Pro Signal 3G’s compact form factor makes it an ideal component for M2M/IoT installations in weak signal environments.

The Pro Signal 3G is FCC certified to the latest technical standards for cellular signal boosters. The Pro Signal 3G allows OEMs to source a compact, powerful and highly compatible signal booster that is ready to deploy. Integrators can more easily custom design M2M/IoT communication systems that fit tightly constrained spaces.

Specifications

MODEL NUMBER	460109* • 460209* • 460309*	
FREQUENCIES	Band 5	850 MHz
	Band 25/2	1900 MHz
MAX GAIN	15 dB	
IMPEDANCE	50 Ohm	
POWER	110/240Vac, 50Hz/60Hz, 5VDC-2A	
CONNECTORS	SMA Female	
BOOSTER DIMENSIONS	.75 x 1.75 x 4 in	
BOOSTER WEIGHT	0.175 lbs	

Detailed Specifications

	Pro Signal 3G	
Model Number	460009	
FCC Number	PWO460009	
Connectors	SMA-Female	
Antenna Impedance	50 Ohms	
Frequency	824-894 MHz & 1850-1995 MHz	
Passband Gain (nominal)	**800 MHz** 13.4	**1900 MHz** 12.3
20 dB Bandwidth (MHz)	**800 MHz**	**1900 MHz**
Typical Maximum	41.7 43.3	84.1 88.9
Power output for single cell phone (dBm)	**800 MHz**	**1900 MHz**
Uplink Downlink	23.8 -6.05	22.3 -6.3
Power output for multiple received channels (Uplink) dBm **No. Tones**	**800 MHz**	**1900 MHz**
2	24.1	23.2
3	20.5	19.6
4	18.0	17.1
5	16.1	15.2
6	14.5	13.6
Power output for multiple received channels (Downlink) dBm **No. Tones**	**800 MHz**	**1900 MHz**
2	-3.2	-4.7
3	-6.7	-8.2
4	-9.2	-10.7
5	-11.1	-12.7
6	-12.7	-14.2
Noise Figure (typical downlink/uplink)	4 dB (nominal)	
Isolation	> 60 dB	
Power Requirements	110/240Vac, 50Hz/60Hz, 5VDC-2A	

Additional Product Kits

Pro Signal 3G Kit
460209*
1 Pro Signal 3G
1 Mini Magnet Mount Antenna (301126)
1 Power Supply (859969)
1 3' RG174 Cable (951151)

Pro Signal 3G Kit
460309*
1 Pro Signal 3G
1 Mini Magnet Mount Antenna (301126)
1 DC Hardwire Power Supply 5V/1A (859989)
1 3' RG174 Cable (951151)

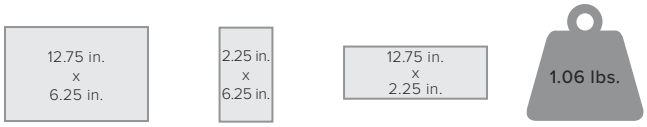
*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Package Dimensions

10.5 L x 2 W x 5.25 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: TBD

FOR PARTNER'S USE

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

PRO SIGNAL 3G
8 11815 02229 9

PRO SIGNAL 3G HARDWIRE KIT
8 11815 02518 4

PRO SIGNAL 3G MINI MAGNET MOUNT ANTENNA KIT
8 11815 02517 7

460109_Pro-Signal3G_SS_US_Rev04_100518

PRO SIGNAL 3G SKU: 460109

Pro Signal Meter

SKU: 460118

FEATURES

- Works with 700, 850, 1900 and 2100 MHz spectrum bands
- Configurable with a variety of Wilson antennas
- Detects available signal indoors and outdoors
- Built-in rechargeable battery
- 3 measurement modes: measures bands, channels, or frequencies

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes


Signal Meter


Antenna for Indoor Frequency Mapping (311159)


DC Power Supply (859977)


AC Power Supply (859969)

About

The WilsonPro Pro Signal Meter from Wilson Electronics features an integrated rechargeable battery allows for maximum portability while the large LCD display and push button operation takes the hassle out of site surveys.

The Pro Signal Meter greatly simplifies signal amplifier installation by providing accurate downlink signal readings. Prior to installation, outside signal readings can be made for each cellular band and channel, so that donor (outside) antenna placement can be optimized. Indoors, areas of weak cell signal can be identified so that amplifiers and server (indoor) antennas are placed in the areas where they are most needed. Finally, the Pro Signal meter can be used to validate the final system performance at project close-out.

Specifications

MODEL NUMBER	460118* • 460218*
IMPEDANCE	50 Ohm
POWER	5V DC, 1A
CONNECTORS	SMA Female
BOOSTER DIMENSIONS	1.25 x 3.25 x 6.75 in
BOOSTER WEIGHT	0.51 lbs

Detailed Specifications

	Pro Signal Meter
Model Number	460018
Antenna connector	SMA
Antenna impedance	50 ohms
Dimensions	1.25” x 3.25” x 7”
Weight	9.7 oz
Maximum detectable in-band signal (dBm)	-38
Minimum detectable in-band signal with 1.5MHz BW (dBm)	-110
Minimum detectable in-band signal with 10MHz BW (dBm)	-105
Maximum recommended RF input (dBm)	-38
Power Requirements	5V / 1.5A

Additional Accessories

Wide-Band Panel Antenna 700-2700MHz (314411)

Pole Mount Assembly (901117)

2’ Extension Cable RG58 (955802)

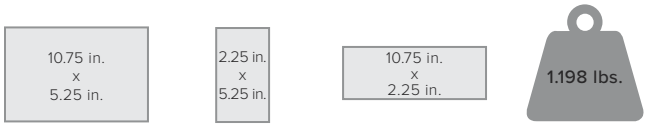
Additional Product Kits

Signal Meter Kit
460218*
1 RF Signal Meter
1 3ft RG174 cable (SMA Male to SMA Male)
1 2ft RG58 cable (N Male to SMA Male)
1 5V/3A DC/DC Power Supply
1 5V/2A AC/DC Power Supply
1 N-Female to N-Female Barrel Connector
1 N-Male to F-Female Adapter

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Package Dimensions

10.75 L x 2.25 W x 5.25 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: 25 L x 18 W x 15 H | 35 lbs.

Support

3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

FOR PARTNER’S USE

UPC

PRO SIGNAL METER

PRO SIGNAL METER KIT

Antennas (In-Depth)

General Mobile External Antennas

Stay connected on the road with our mobile antennas

Designed for use with our mobile signal boosters, Our 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.

311125 Magnet-Mount Antenna

301126 Mini Magnet-Mount Antenna

Features

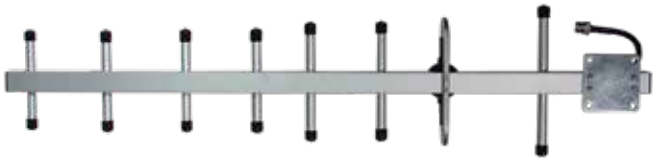
- Perfect for cars, vans and light trucks
- Mobile and indoor use

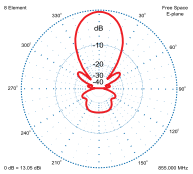
*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

SPECIFICATIONS

	Magnet-Mount Antennas	Mini Magnet-Mount Antennas
PART NUMBER	311125*	301126*
Frequency Range (MHz)	Refer to table on page 47	
Impedance	50 ohms	
Antenna Gain	Refer to table on page 47	
Signal Pattern	Omni	
Polarization	Vertical	
Ground Plane	Metal ground plane required	
Connector	SMA Male	SMA Male
Material	Whip - Stainless Steel	Whip - Plastic Coated Steel Wire
Coax Cable	RG174 - 12.5 feet	
Height	12.25 inches / 31.12 cm	4.175 inches / 10.60 cm
Mount	Rare earth magnet	Rare earth magnet

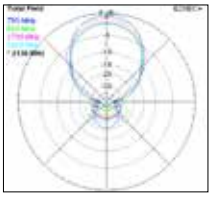
Yagi Antennas - Durable, high-gain, directional antennas





301111 Yagi 800 MHz

Our highest gain antenna for the 800 MHz band



314411 50 ohm
314475 75 ohm
Wide Band
Directional Antenna

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

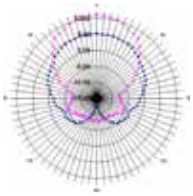
SPECIFICATIONS

	Yagi		Log-Periodic	
PART NUMBER	301111*		314411*	314475*
Number of Elements	8		9	
Frequency	Refer to table on page 47			
Impedance	50 ohms			75 ohms
Antenna Gain	Refer to table on page 47			
Max Power	50 watts	10 watts	100 watts	
	Directional			
Polarization	Vertical			
Connector	N-Female			F-Female
Material	Aluminum			
Length	32.5 inches / 82.6 centimeters		11.42 inches / 29 centimeters	
Weight	2.9 ounces / 0.081 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 cm2		<465 cm2	
Brackets	Max OD 2 inches			

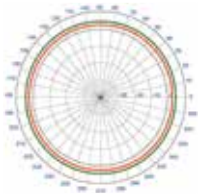
Building Antennas

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

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

314406
314407

304412
304419

50 ohm & 75 ohm
311135 & 311155 wall mount
304451 & 304471 ceiling mount

314453
314473
weatherproof

304421
304424

304422
304423

Inside Antennas

Outside Antennas

SPECIFICATIONS

	Low-Profile Dome		Dome		Panel							
PART NUMBER	314406*	314407*	304412*	304419*	311135*	304471* 314473*	304451* 314453*	311155*	304421*	304424*	304422*	304423*
Frequency	Refer to table on page 47											
Impedance	50 ohms	50 ohms	50 ohms	75 ohms	50 ohms	75 ohms	50 ohms	75 ohms	75 ohms	50 ohms	50 ohms	75 ohms
Polarization	Vertical											
Antenna Gain	Refer to table on page 47											
Max Power	40 watts		50 watts						100 watts			
Beamwidth Hor. Plane	360°		360°		70°/60°				360°			
Beamwidth Ver. Plane	25°/90°	100°/130°	60°		50°/45°				60°			
VSWR	2:1		1.5:1		1.5:1				< 1.8	< 1.8	< 1.8	< 1.8
Connector	N-Female		N-Female	F-Female	N-Female	F-Female	N-Female	F-Female	F-Female	N-Female	N-Female	F-Female
Dimensions inches/ cm	16.2 x 6.36 / 41.15 x 16.15	9.4 x 6.36 / 23.88 x 16.15	7.3 x 3.3 / 185 x 85		8.27 x 7.09 x 1.73 / 21 x 18 x 4.39				2.6 x 7.5 / 66 x 19	2.6 x 7.50 / 66 x 19	2.5 x 9.8 / 63 x 250	2.5 x 9.8 / 63 x 250
Ground Plane	N/A	N/A	Built-In Ground Plane						Built-In Ground Plane			
Front to Back Ratio	N/A		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	311125	1.9	5.1	3.1	-4.0	6.1	2.3
MINI MAGNET MOUNT ANTENNAS	301126	1.7	2.1	0.5	2.2	3.1	1.4
YAGI ANTENNAS	301111	10.0	10.8	8.8	-16.4	-14.9	-13.8
	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
4G LOW-PROFILE DOME ANTENNAS	314406	4	4	4	6	6	6
	314407	4	4	4	6	6	6
4G DOME ANTENNAS	304412	2.0	2.0	2.0	4.0	4.0	4.0
	304419	2.0	2.0	2.0	4.0	4.0	4.0
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
	304451	5.2	4.4	4.2	10.1	10.6	8.2
	304471	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
4G OMNI BUILDING ANTENNAS	304424	2.0	2.0	2.0	4.0	4.0	4.0
	304421	2.0	2.0	2.0	4.0	4.0	4.0
4G OMNI PLUS BUILDING ANTENNAS	304422	2.0	2.0	2.0	5.0	5.0	5.0
	304423	2.0	2.0	2.0	5.0	5.0	5.0

Accessories

Building Antennas — External

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Yagi Antenna (3G)

301111*

- 50 Ohm
- 700/800/900 MHz Directional
- w/ N Female Connector

4G Omni-Directional Building Antenna

304421*

- 75 Ohm F-Female Connector
- 698 – 960 / 1710 -2700 MHz

4G Omni-Directional Building Antenna

304424*

- 50 Ohm N-Female Connector
- 698 – 960 / 1710 -2700 MHz

4G Omni-Directional Plus Building Antenna

304422*

- 50 Ohm N-Female Connector
- 698 – 960 / 1710 -2700 MHz

4G Omni-Directional Plus Building Antenna

304423*

- 75 Ohm F-Female Connector
- 698 – 960 / 1710 -2700 MHz

Wide Band Directional Antenna (4G)

314411*

- 50 Ohm
- 700 - 2700 MHz
- w/ N Female Connector

Pole Mount Panel Antenna (4G)

314453*

- 50 Ohm
- 700 - 2700 MHz 50 Ohm Vertically Polarized
- w/ N Female Connector

Pole Mount Panel Antenna (4G)

314473*

- 75 Ohm
- 700-2700 MHz 75 Ohm Vertically Polarized
- w/ F Female Connector

Wide Band Directional Antenna (4G)

314475*

- 75 Ohm
- 700-2700 MHz
- w/ F Female Connector

Building Antennas — Internal

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

4G Dome Antenna

304412*

- 50 ohm
- 698-960 / 1710-2700 MHz
- w/ 12 in. Pigtail N-Female
- w/ N Female Connector

4G Dome Antenna

304419*

- 75 Ohm
- 698-960 / 1710-2700 MHz
- w/ 12 in. Pigtail F Female
- w/ F Female Connector

Wall Mount Panel Antenna (4G)

311155*

- 75 Ohm
- 700-2700 MHz 75 Ohm Directional
- w/F Female Connector

Ceiling Mount Panel Antenna (4G)

304451*

- 50 Ohm
- 700-2700 MHz 50 Ohm Vertically Polarized
- w/N Female Connector
- w/Ceiling Mount

Ceiling Mount Panel Antenna (4G)

304471*

- 75 Ohm
- 700-2700 MHz 75 Ohm Vertically Polarized
- w/N Female Connector
- w/Ceiling Mount

Wall Mount Panel Antenna (4G)

311135*

- 50 Ohm
- 700-2700 MHz 50 Ohm Vertically Polarized
- w/N Female Connector

4G Low-Profile Dome Antenna, with Reflector

314406*

- 50 Ohm
- 608 - 2700 MHz
- w/ N-Female Connector
- w/ 19.7 in. Plenum cable

4G Low-Profile Dome Antenna

314407*

- 50 Ohm
- 608 - 2700 MHz
- w/ N-Female Connector
- w/ 19.7 in. Plenum cable

Building Mounts

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Pro Signal 3G Mounting Plate

901138*

Window Mount for Panel Antenna

901141*

Wall Mount for Panel Antenna

901143*

In-Wall Panel Antenna Mount

901123*

Ceiling Mount for Panel Antenna

901140*

Pole Mount for Panel Antenna

901142*

†⚠ **WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Two Piece L-Bracket For Use w/Omni-Directional Antenna

901133†

Antenna Pole Mounting Assembly

901117†

- U-Bracket Assembly
- Wall Mount Bracket
- 10 in. Length x 1.5 in. Diameter Aluminum Tube

Replacements

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

3dBi Dual Band Terminal Antenna for Signal Meter SMA Male Connector

311159*

Tools

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Compression Tool for RG11 Cable

992201*

Cable Prep Stripper Tool for RG11 Cable

992202*

Cable Prep Tool, Low Loss 400 Coax Cable, For all Connectors

992203*

Crimp Tool, N Type Coax Connectors

992204*

Splitters

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

2 Port 700-2700 MHz Splitter w/ F Female Connectors, 75 Ohm
859993*

Splitter 2 Way -3 dB 700-2800 MHz w/N Female Connectors, 50 Ohm
859957*

3 port 700-2500 MHz Splitter w/ F Female connectors, 75 Ohm
859994*

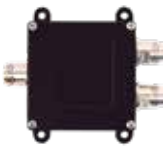
Splitter 3 Way -4.8 dB 700-2700MHz w/N Female Connectors, 50 Ohm
859980*

4 Port 700-2700 MHz Splitter w/ F Female Connectors, 75 Ohm
859106*

Splitter 4 Way -6 dB 700-2700MHz w/N Female Connectors, 50 Ohm
859981*

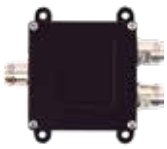
Taps

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

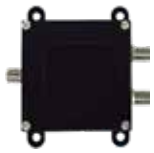


-10 dB Tap 700-2500 MHz w/0.5 dB Pass Thru 50 Ohm (N Female Connector)
859907*

-7 dB Tap 700-2700 MHz w/1.5 dB Pass Thru 75 Ohm (F Connector)
859115*



-7 dB Tap 700-2700 MHz w/1.5 dB Pass Thru 50 Ohm (N Female Connector)
859114*

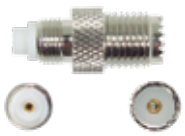


-10 dB Tap 700-2500MHz w/0.5dB Pass Thru 75 Ohm
859976*

ACTUAL SIZE		LOSS PER 10’	
		800 MHz	1900 MHz
13/32”	Wilson 400	.45 dB	.7 dB
13/32”	RG-11	.45 dB	.8 dB
3/8”	RG-6	.83 dB	1.35 dB
3/16”	RG-58	1.0 dB	2.66 dB
3/32”	RG-174	3.58 dB	6.66 dB

Cables and Connectors

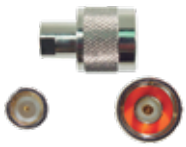
FME Female - TNC Female Connector
971104*



FME Female - Mini UHF Female Connector
971103*

FME Male - TNC Male Connector
971106*

N Female - FME Female Connector
971107*

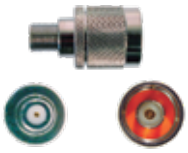


FME Male - N Male Connector
971113*

SMA Male to FME Male Connector
971119*

N Female - N Female Barrel Connector
971117*

F Female - F Female Connector for RG6 Cable
971129*



N Male - F Female Connector
971128*

SMA Male to N Male Connector
971132*

F Female To TNC Male Adapter
971130*

N Male - N Male Connector
971148*

FME Female to SMA Female Connector
971136*

F-Male to N-Female Connector
971151*

SMA Male - TNC Female Connector
971153*

N Female - SMA Male Connector
971156*

N Female - SMA Female Connector
971157*

SMA Male - SMA Male Barrel Connector
971163*

SMA Male to F Female Connector
971165*

N Male Crimp Connector for RG58 Cable
971116*

SMA Male to RG58 Crimp Connector
971131*

SMA Male Crimp for RG174
971139*

F-Male Compression Connector for the RG11 Cable
971150*

F-Male Compression Connectors for the RG11 Cable, Quantity 10 Bagged
971150-10*

N Female - FME Male Connector
971108†

N-Male Crimp Connector for use w/ WILSON400 Cable
971109†

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

† ⚠ **WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Cables and Connectors

RG11
COAX CABLE
F-MALE / F-MALE
BLACK

951127* 2 feet
951150* 50 feet
951175* 75 feet[2]
951100* 100 feet
951155* 500 feet

[2]compatible with crimp connector 971150. Center pin from connector. Must be soldered onto cable.

RG6
LOW-LOSS COAX CABLE
F-MALE / F-MALE
WHITE

950602† 2 feet
950620* 20 feet
950630* 30 feet
950650* 50 feet

WILSON400
ULTRA LOW-LOSS COAX CABLE[3]
N-MALE / N-MALE BLACK

952302* 2 feet
952310* 10 feet
952320* 20 feet
952330* 30 feet
952350* 50 feet
952360* 60 feet
952375* 75 feet
952300* 100 feet
952305* 500 feet
952301* 1000 feet

[3]equivalent to LMR-400

RG58 LOW-LOSS FOAM COAX CABLE
SMA-FEMALE / SMA-MALE BLACK
955805† 5 feet
951147* 10 feet
955815† 15 feet

SMA-FEMALE / SMA-MALE WHITE
955823† 20 feet

N-MALE / SMA-MALE BLACK
955802† 2 feet
955812† 10 feet
955822† 20 feet

RG58U
LOW-LOSS FOAM COAX CABLE
N-MALE / N-MALE BLACK
951134* 2 feet

EXTENSION CABLE
SMA-MALE / SMA-FEMALE
955832* 30 feet

RG174 CABLE
SMA-MALE / SMA-MALE BLACK
951151† 3 feet

RG174 EXTENSION CABLE
SMA-MALE / FME-FEMALE BLACK
951144† 6 feet

RG58U
LOW-LOSS FOAM COAX CABLE
N-MALE / N-MALE WHITE
951148† 20 feet

FLAT WINDOW CABLE
F-FEMALE / F-FEMALE
WHITE

951152† 8 inch
951177† 10 inch

COAX CABLE BLACK

SMA-MALE TO SMA-MALE
951141† 6 feet

SMA-FEMALE TO SMA-MALE
951130† 6 feet

PLENUM CABLE

LMR 400 Plenum Cable
952002* 500 ft. Spool

Wilson400 Plenum Cable
952001* 500 ft. Spool

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

†⚠ **WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Attenuators

6 dB Attenuator, 50 Ohm (N Female Connectors)
859936*

10 dB Attenuator, 50 Ohm (N Female Connectors)
859926*

20 dB Attenuator, 50 Ohm (N Female Connectors)
859927*

Lightning Surge Protector

Lightning Surge Protector w/N-Female Connectors, 50 Ohm
859902†

Lightning Surge Protector w/F-Female Connectors, 75 Ohm
859992†

Combiner/Diplexer - Impedance Converter - Channelized Filters

Combiner/Diplexer

Dual Band Diplexer/Combiner (50 Ohm, 800-900 MHz/1850-1990 MHz Bands)
859922*

Impedance Converter

50 to 75 OHM Converter with N-Female Connector on 50 OHM Side and F-Female Connector on 75 OHM Side
859955*

B5 Channelized Filter Channel A (F Connector)
860001*

B5 Channelized Filter Channel B (F Connector)
860002*

B5 Channelized Filter Channel A (N Connector)
860003*

B5 Channelized Filter Channel B (N Connector)
860004*

*⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

†⚠ **WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Power Supplies

*⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BUILDING POWER SUPPLIES		DESCRIPTION	COMPATIBLE WITH
850011*		AC/DC Building Power Supply 6V/2.5A with DC Jack	460109, 460118, 460209, 460218, 460409
850010*		AC/DC Power Supply 12V/3A with 2.5 x 12.5mm DC Plug	460027, 460127, 462027, 462034, 462127, 463034, 463227, 463134, 465034, 465134

VEHICLE POWER SUPPLIES		DESCRIPTION	COMPATIBLE WITH
859923*		DC Hardwire Power Supply 6V/2A with DC Jack	460219
859989*		DC Hardwire Power Supply 5V/1A	460109

Warranty Overview

3 Year Warranty

The Best-In-Class Warranty for the most power signal boosters available from WilsonPro

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

3-Year Warranty WilsonPro Signal Boosters are warranted for three (3) years against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Signal Boosters may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by WilsonPro.

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

This warranty does not apply to any Signal Booster determined by WilsonPro to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

RMA numbers may be obtained by contacting **Customer Support at 866-294-1660**

WILSONPRO PRODUCT CATALOG

WilsonPro

3301 E. Deseret Drive
St. George, Utah 84790

US 1-888-503-5329
CA 1-866-294-1660
Fax: 435-656-2432

CUSTOMER SUPPORT

1-866-294-1660
wilsonpro.com/support
support@wilsonelectronics.com

SALES

1-800-204-4104

INTERNATIONAL SALES
export@weboost.com

facebook.com/WilsonProAmps/

linkedin.com/company/wilson-electronics

youtube.com/user/WilsonElectronicsInc

WILSONPRO™ WILSON ELECTRONICS

www.**wilsonpro**.com