



Product Catalog.

CELLULAR SIGNAL COVERAGE SOLUTIONS
FOR COMMERCIAL BUILDINGS



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About WilsonPro

WHO WE ARE

WilsonPro is one of the country's leading manufacturers of in-building commercial cellular signal enhancement technologies. Our brand of professional cell signal amplifiers 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 110 international patents for boosting cellular signal.

We are passionate about our work



Established in 2000
in St. George, Utah



Recognized global leader
in cellular boosting technology



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

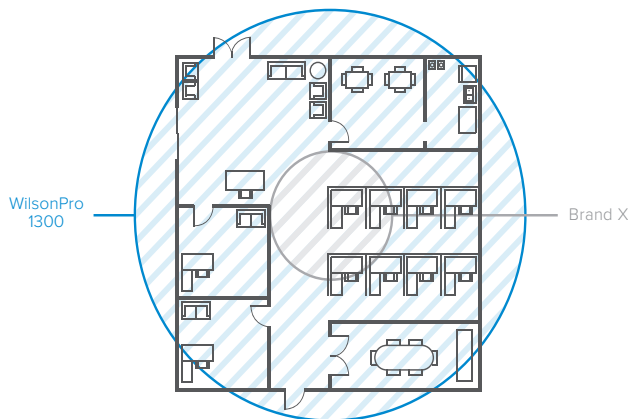
Why WilsonPro?

WilsonPro commercial cellular signal amplifiers provide reliable, flexible solutions for large buildings and businesses experiencing poor cell and data reception. Our high-performance cellular signal amplifiers 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.

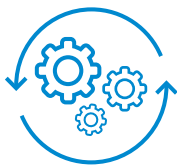


It takes a system.

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 amplifiers 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 amplifier 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.

In Short, Wilson Amplifiers provide:



FCC (PART 20.21) AND CARRIER PRE-APPROVED CELL SIGNAL ENHANCEMENT SOLUTIONS:

All WilsonPro products have been thoroughly tested and certified to FCC part 20.21 standards, by independent, FCC approved laboratories. All major cell phone carriers have consented to the use of WilsonPro equipment, so no additional approvals or cell carrier involvement is required.



WORKS WITH ALL CARRIERS

WilsonPro cell signal amplifiers work with all cell carriers, simultaneously, “out of the box”. No programming, commissioning, or carrier coordination is required.



PATENTED AUTOMATIC GAIN CONTROL, INCLUDING XDR TECHNOLOGY ON SELECT MODELS

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).



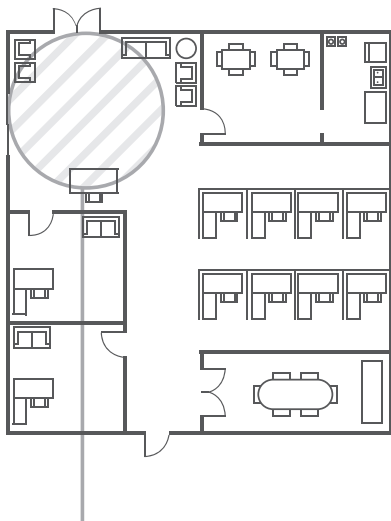
REMOTE MONITORING, WITH WILSONPRO CLOUD, ON SELECT MODELS

WilsonPro’s Enterprise 1300 & 4300 amplifiers automatically connect to the WilsonPro Cloud remote monitoring & management system, via a built-in LTE modem. WilsonPro Cloud provides historical performance data as well as configurable email and text message system performance notifications. Connection to WilsonPro Cloud is included in the first year of service.

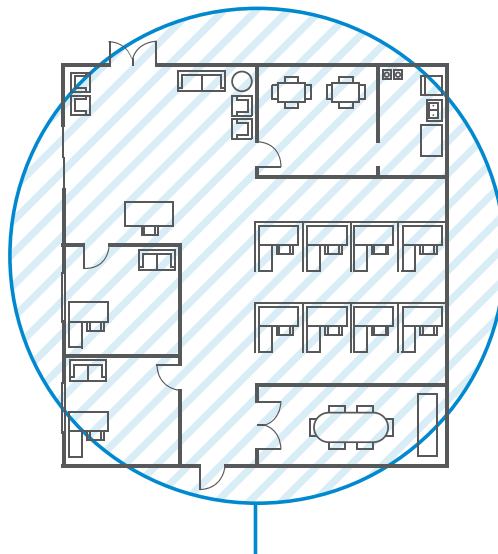


QUALITY AMERICAN PRODUCTS

WilsonPro customers feel confident knowing that all Wilson Electronics products are designed, assembled, and tested right here in the USA. Our company has developed and manufactured cell phone signal boosters, antennas, and related components for more than 20 years; helping us establish an extensive portfolio of intellectual property surrounding mobile phone repeater and booster architectures along the way.



Normal cell coverage



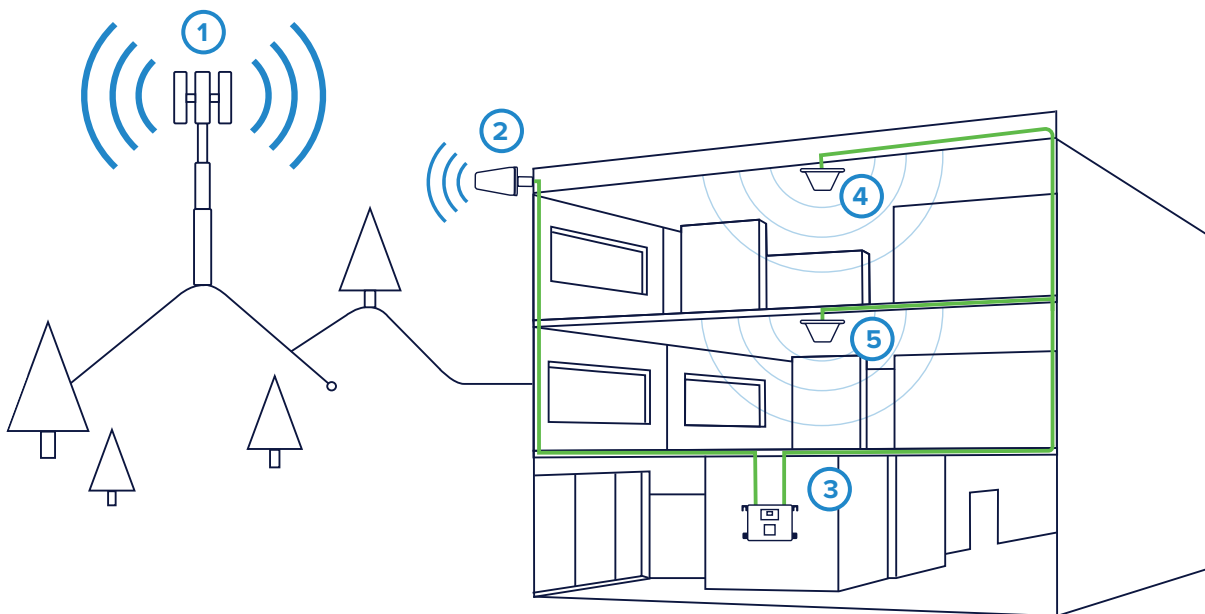
Cell coverage with **WilsonPro**

How WilsonPro Works

WilsonPro solutions ensure people are able to use their cellular devices in all needed parts of buildings, both large and small. Cellular 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 other products.

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 AMPLIFIER
Our amplifier 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.



Commercial
Solutions

Line Up Sheet

WilsonPro Commercial Boosters



Enterprise 4300
460152



Enterprise 4300R
460153



Enterprise 1300
460149



Enterprise 1300R
460150



Pro 1050
460230

MOUNTING	Standard Mount	Rack Mount	Standard Mount	Rack Mount	Standard Mount
NUMBER OF INDOOR ANTENNA PORTS	4 Ports		1 Port		
MAX GAIN	70 dB				70 dB
MAX UPLINK POWER	26 dBm	26 dBm	26 dBm	26 dBm	21 dBm
MAX DOWNLINK POWER	17 dBm	17 dBm	17 dBm	17 dBm	15 dBm
OUTSIDE (DONOR) ANTENNA	Outside Directional Antenna (314411)				Outside Directional Antenna (314411)
INSIDE (SERVER) ANTENNA	Inside Dome Antenna x4 (304412)		Inside Dome Antenna (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 (952402) 100' Black Low Loss Wilson400 Cables x5 (952300)		2' Black Low Loss Wilson400 Cable (952402) 100' Black Low Loss Wilson400 Cables x2 (952300)		2' Black Low Loss Wilson400 Cable (952302) 75' Black Low Loss Wilson400 Cable (952375) 100' Black Low Loss Wilson400 Cable (952300) x2

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

Line Up Sheet

WilsonPro Commercial Boosters



Enterprise 4300
460152



Enterprise 4300R
460153



Enterprise 1300
460149



Enterprise 1300R
460150



Pro 1050
460230

COVERAGE AREA	Up to 100k sq ft		Up to 40k sq ft		Up to 35k sq ft
RECOMMENDED FOR	Enterprise Businesses up to 100k sq ft (Comparable to four Pro 70 Plus amplifiers)		Enterprise Businesses up to 40k sq ft		Middleprise/Enterprise Businesses, especially high rises
REMOTE MANAGEMENT	Includes WilsonPro Cloud Service Integration				Not Included
XDR TECHNOLOGY (EXTENDED DYNAMIC RANGE)*	Auto adjusts gain output to prevent shut down				
OUTSIDE (DONOR) ANTENNA OPTIONS	Wide Band Directional Antenna with Band 71 Support (311233) Wide Band Directional Antenna (314411) Omni Plus Building Antenna (304422) Omni Building Antenna (304424)				
INSIDE (SERVER) ANTENNA OPTIONS	Panel Antenna with Band 71 Support (311234) 4G Low-Profile Dome Antenna w/ Reflector with Band 71 Support (314406) 4G Low-Profile Dome Antenna with Band 71 Support (314407) Dome Antenna (304412) Low Profile Antennas (314406 & 314407) Panel Antennas (311135)				
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: 1710-1755; downlink: 2110-2155 Band 2/25: uplink: 1850-1915; downlink: 1930-1995				Band 12/17 Band 13 Band 5 Band 4 Band 2/25
AMPLIFIER DIMENSIONS	Length - 19 inches Width - 12 inches Height - 2.5 inches	Length - 17.5 inches Width - 12 inches Height - 3.75 inches	Length - 19 inches Width - 12 inches Height - 2.5 inches	Length - 17.5 inches Width - 12 inches Height - 3.75 inches	Length - 18 inches Width - 11.5 inches Height - 3.75 inches
AMPLIFIER WEIGHT	16.930 lbs	9.860 lbs	16.515 lbs	9.66 lbs	9.280 lbs

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

Line Up Sheet

WilsonPro Commercial Boosters



Pro 1100
(50 Ohm)
460147



Pro 1100
(75 Ohm)
461147



Pro 70 Plus
(50 Ohm)
463127



Pro 70 Plus
(75 Ohm)
460127

MOUNTING	Standard Mount			
NUMBER OF INDOOR ANTENNA PORTS	1 Port			
MAX GAIN	70 dB			
MAX UPLINK POWER	25 dBm	25 dBm	21 dBm	21 dBm
MAX DOWNLINK POWER	15 dBm	15 dBm	12 dBm	12 dBm
XDR TECHNOLOGY (EXTENDED DYNAMIC RANGE)*	XDR Technology: Auto adjusts gain output to prevent shut down			
OUTSIDE (DONOR) ANTENNA	Outside Directional Antenna (314411)	Outside Directional Antenna (314475)	Outside Directional Antenna (314411)	Outside Directional Antenna (314475)
INSIDE (SERVER) ANTENNA	Inside Dome Antenna (304412)	Inside Dome Antenna (304419)	Inside Panel Antenna (311135)	Inside Panel Antenna (311155)
IMPEDANCE	50 Ohm	75 Ohm	50 Ohm	75 Ohm
POWER	110-240 V AC, 50-60 Hz, 20 W			
CONNECTORS	N-Female	F-Female	N-Female	F-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)

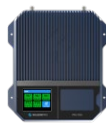
⚠ See the individual product pages for applicable Prop 65 Warnings.

Line Up Sheet

WilsonPro Commercial Boosters



Pro 1100
460147



Pro 1100
461147



Pro 70 Plus
(50 Ohm)
463127



Pro 70 Plus
(75 Ohm)
460127

COVERAGE AREA	Up to 35k sq ft	Up to 35k sq ft	Up to 25k sq ft	Up to 25k sq ft
XDR (EXTENDED DYNAMIC RANGE) TECHNOLOGY	Auto adjusts gain output to prevent shut down			
LCD TOUCHSCREEN DISPLAY	Color LCD touch screen for greater control and usability		Monochrome LCD	
OUTSIDE (DONOR) ANTENNA OPTIONS	Wide Band Directional Antenna with Band 71 Support (311233) Wide Band Directional Antenna (314411, 314475) Omni Plus Building Antenna (304422, 304423) Omni Building Antenna (304424, 304421)			
INSIDE (SERVER) ANTENNA OPTIONS	Panel Antenna with Band 71 Support (311234) 4G Low-Profile Dome Antenna w/ Reflector with Band 71 Support (314406) 4G Low-Profile Dome Antenna with Band 71 Support (314407) Dome Antenna (304412, 304419) Panel Antenna (311135, 311155) Low Profile Antennas (314406 & 314407)			
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: 1710-1755; downlink: 2110-2155 Band 2/25: uplink: 1850-1915; downlink: 1930-1995			
AMPLIFIER DIMENSIONS	Length - 9 inches Width - 10 inches Height - 2 inches		Length - 8.875 inches Width - 6 inches Height - 1.5 inches	
AMPLIFIER WEIGHT	6.28 lbs		2.78 lbs	

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

Enterprise 4300

SKU: 460152

FEATURES

- Three outdoor antenna ports to target multiple carrier towers.
- Four independently controlled indoor antenna ports built in.
- Wired or LTE WilsonPro Cloud access for remote functionality.
- Network Scanning for real-time measurements of cell signal.
- Up to 26 dBm in uplink power.
- 17 dBm in downlink power per port.
- XDR technology to virtually eliminate shutdown or signal loss.
- Works with ALL phones and cellular devices on ALL carriers.



RACK MOUNT OPTION:
Enterprise 4300R

Standard Kit Includes



Enterprise 4300
or Enterprise 4300R
Amplifier



Outside
Directional Antenna
(314411)



Inside Dome
Antenna x4
(304412)



Lightning Surge
Protector
(859902)



2 ft. Wilson400
Cable
(952402)



100ft Low-Loss
Wilson400 Cable x5
(952300)

About

The WilsonPro **Enterprise 4300/4300R** is a commercial-grade, in-building cellular amplifier that represents the latest in cell signal boosting technology—including a revolutionary industry-first, three outdoor-antenna-port configuration. Depending on cell tower locations, using up to three outdoor antennas (each dedicated to a specific frequency band to collectively amplify signals from multiple towers) helps maximize coverage in commercial spaces up to 100,000 sq.ft.*

Based on user need or preference, the Enterprise 4300/4300R can also utilize “common mode” as a default; using only a single outdoor (donor) antenna and a single port to receive cell signal.

With wired or LTE access (using the built-in cellular modem) to the WilsonPro Cloud for remote functionality, the Enterprise 4300/4300R provides integrators and building managers with the capability to remotely manage, monitor, and adjust their amplifier, as well as receive real-time measurements of cell signal power, bands, frequency, and quality through network scanning. Immediate notification of issues, such as system failure, oscillation, or change in signal strength is also provided via text or email.

The Enterprise 4300/4300R generates up to 26 dBm in uplink power—enabling it to reach towers at much greater distances. With up to 17 dBm in downlink power per port, it’s also one of the most powerful amplifiers in its price range. With all four indoor-antenna ports equipped with up to 17 dBm downlink power of their own, each of the Enterprise 4300/4300R’s four indoor antennas can effectively broadcast signal. The “R” model name signifies its rack-mount option.

This amplifier includes a 3-year manufacturer’s warranty and a 30-day money-back guarantee.

*Depending on outside signal conditions.

Specifications

SKU	460152* • 460252* • 460352* • 460452* 460153* • 460253* • 460353* • 460453*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	26 dBm	
MAX DOWNLINK POWER	17 dBm	
IMPEDANCE	50 Ohm	
POWER	120 V AC, 60 Hz, 60 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	19 x 12 x 2.5 • 17.5 x 12 x 3.75 in	
AMPLIFIER WEIGHT	16.930 lbs • 9.860 lbs	

***WARNING:** Cancer and Reproductive Harm

Detailed Specifications

3300 / 3300R											
SKU	460152 / 460153										
Model Number	460052 / 460053										
FCC ID	PWO460052 / PWO460053										
IC ID	4726A-460052 / 4726A-460053										
Connectors	N-Connectors										
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	<table border="1"> <thead> <tr> <th>700MHz Band12/17</th> <th>700MHz Band13</th> <th>800MHz</th> <th>1700MHz</th> <th>1900MHz</th> </tr> </thead> <tbody> <tr> <td>22.9</td> <td>23.1</td> <td>24.6</td> <td>22.8</td> <td>25.5</td> </tr> </tbody> </table>	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz	22.9	23.1	24.6	22.8	25.5
700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz							
22.9	23.1	24.6	22.8	25.5							
Power output for single cell phone (Downlink) dBm	<table border="1"> <thead> <tr> <th>700MHz Band12/17</th> <th>700MHz Band13</th> <th>800MHz</th> <th>2100MHz</th> <th>1900MHz</th> </tr> </thead> <tbody> <tr> <td>16.9</td> <td>16.7</td> <td>16.8</td> <td>16.6</td> <td>16.6</td> </tr> </tbody> </table>	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz	16.9	16.7	16.8	16.6	16.6
700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz							
16.9	16.7	16.8	16.6	16.6							
Noise Figure	5 dB nominal										
Isolation	> 90 dB										
Power Requirements	120V AC 0.5A										

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.

ASSEMBLED IN THE USA



Kit Variations

Note: Custom kits do not include antennas, lightning surge protectors, etc. Custom kits only include the amplifier, a power cord, and the noted spool of cable.



ENTERPRISE 4300

SKU	460152 - STANDARD KIT	460252 - CUSTOM KIT	460352 - CUSTOM KIT	460452 - CUSTOM KIT
KIT CONTENTS	2' & 100' (qty: 5) sections of connectorized Willson400 cable	500' Wilson400 Spool	1000' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	28" / 19" / 21" / 65.06 lbs SHIPS IN ONE BOX	19" / 12" / 2.5" / 21.75 lbs	19" / 12" / 2.5" / 21.75 lbs	19" / 12" / 2.5" / 21.75 lbs
PKG 2 of 2 L/W/H/WEIGHT		14.5" / 15.5" / 9" / 36.86 lbs	17" / 17" / 15" / 72 lbs	14.25" / 14.25" / 13" / 53 lbs



ENTERPRISE 4300R

SKU	460153 - STANDARD KIT	460253 - CUSTOM KIT	460353 - CUSTOM KIT	460453 - CUSTOM KIT
KIT CONTENTS	2' & 100' (qty: 5) sections of connectorized Willson400 cable	500' Wilson400 Spool	1000' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	28.75 / 19 / 20.5 / 57.6 lbs SHIPS IN ONE BOX	17.5" / 12" / 3.75" / 15.3 lbs	17.5" / 12" / 3.75" / 15.3 lbs	17.5" / 12" / 3.75" / 15.3 lbs
PKG 2 of 2 L/W/H/WEIGHT		14.5" / 15.5" / 9" / 36.86 lbs	17" / 17" / 15" / 72 lbs	14.25" / 14.25" / 13" / 53 lbs

Enterprise 1300

SKU: 460149

FEATURES

- Three outdoor antenna ports to target multiple carrier towers.
- Wired or LTE WilsonPro Cloud access for remote functionality.
- Up to 26 dBm in uplink power and 17 dBm in downlink power.
- XDR technology to virtually eliminate shutdown or signal loss.
- 4.3-inch LCD touchscreen for an enhanced user-experience.
- Works with ALL phones and cellular devices on ALL carriers.

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

Kit Includes



Enterprise 1300
or Enterprise 1300R
Amplifier



Outside
Directional Antenna
(314411)



Inside Dome
Antenna
(304412)



Lightning Surge
Protector
(859902)



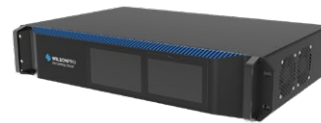
2 ft. Wilson400
Cable
(952402)



100ft Low-Loss
Wilson400 Cable x2
(952300)



RACK MOUNT OPTION:



Enterprise
1300R
SKU: 460150

About

The WilsonPro **Enterprise 1300/1300R** is a commercial-grade, in-building cellular amplifier that represents the latest in cell signal boosting technology—including a revolutionary industry-first, three outdoor-antenna-port configuration. Depending on cell tower locations, using up to three outdoor antennas (each dedicated to a specific frequency band to collectively amplify signals from multiple towers) helps maximize coverage in commercial spaces up to 40,000 sq. ft.*

Based on user need or preference, the Enterprise 1300/1300R can also utilize “common mode” as a default; using only a single outdoor (donor) antenna and a single port to receive cell signal.

With wired or LTE access (using the built-in cellular modem) to the WilsonPro Cloud for remote functionality, the Enterprise 1300/1300R provides integrators and building managers with the capability to remotely manage, monitor, and adjust their amplifier, as well as receive real-time updates on a smartphone or tablet. Immediate notification of issues, such as system failure, oscillation, or change in signal strength is also provided via text or email.

The Enterprise 1300/1300R generates up to 26 dBm in uplink power—enabling it to reach towers at much greater distances. With up to 17 dBm in downlink power, it’s also one of the most powerful amplifiers in its price range. The “R” model name signifies its rack-mount option.

This amplifier includes a 3-year manufacturer’s warranty and a 30-day money-back guarantee.

*Depending on outside signal conditions.

Specifications

MODEL NUMBER	460149* • 460150*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	26 dBm	
MAX DOWNLINK POWER	17 dBm	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	19 x 12 x 2.5 • 17.5 x 12 x 3.75 in	
AMPLIFIER WEIGHT	16.515 lbs • 9.66 lbs	

Detailed Specifications

1300 / 1300R					
SKU	460149 / 460150				
Model Number	460149 / 460150				
FCC ID	PWO460049 / PWO460050				
Connectors	N-Connectors				
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
	23.9	23.9	25.1	23.7	26.7
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
	16.7	16.8	16.9	16.8	16.8
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	120V AC 0.5A				

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.

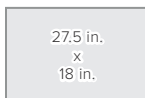
The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power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

ASSEMBLED IN THE USA



Package Dimensions

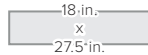
27.5 L x 18 H x 6.5 W



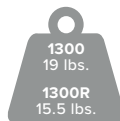
FRONT



SIDE



TOP/BOTTOM



WEIGHT

MASTER CARTON: None

Support



3 Year Warranty from Purchase

Pro 1050

SKU: 460230

FEATURES

- Industry’s first FCC & carrier approved “inline” cellular amplifier system
- Consists of “main” amplifier and “inline” amplifier
- “Inline” amplifier 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 AMPLIFIER:



Not sold separately

Kit Includes



WilsonPro Pro 1050 Two-Part Amplifier System



Outside Directional Antenna (314411)



Inside Dome Antenna (304412)



Lightning Surge Protector (859902)



100' Wilson 400 Cable x2 (952300)



75' Wilson 400 Cable (952375)



2' Wilson 400 Cable (952302)

About

The **WilsonPro Pro 1050** passive distributed antenna system is the first FCC and carrier-approved “in-line” amplifier 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 amplifier. The inline amplifier 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 amplifiers, the WilsonPro Pro 1050 features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

MODEL NUMBER	460230*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	21 dBm	
MAX DOWNLINK POWER	15 dBm	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	3.75 x 11.5 x 18 in	
AMPLIFIER WEIGHT	9.280 lbs (In-line 1.120 lbs)	

Detailed Specifications

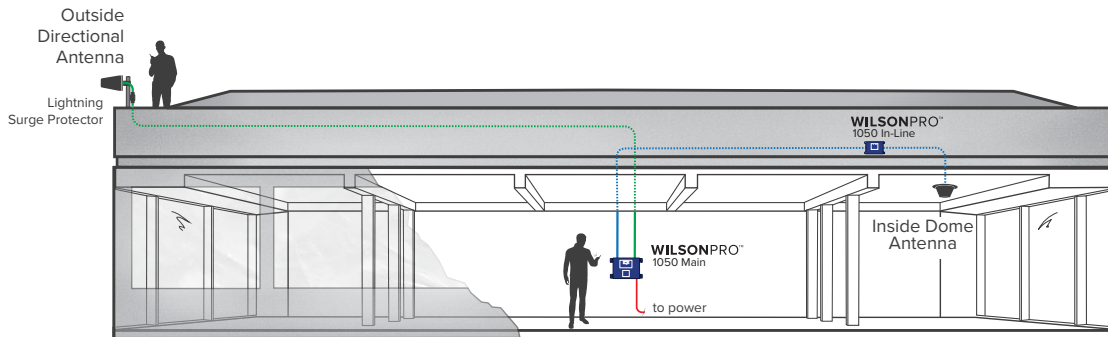
Pro 1050					
SKU	460230				
Model Number	460030				
FCC ID	PWO460030 / PWO0460030IL				
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Power output for single cell phone (Uplink) 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
Noise Figure	1050 Main		1050 In-Line		
	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.

ASSEMBLED IN THE USA

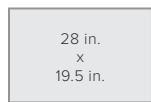


Install Diagram



Package Dimensions

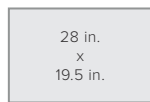
19.5 L x 19.5 H x 28 W



FRONT



SIDE



TOP/BOTTOM



WEIGHT

MASTER CARTON: None

Support



3 Year Warranty from Purchase

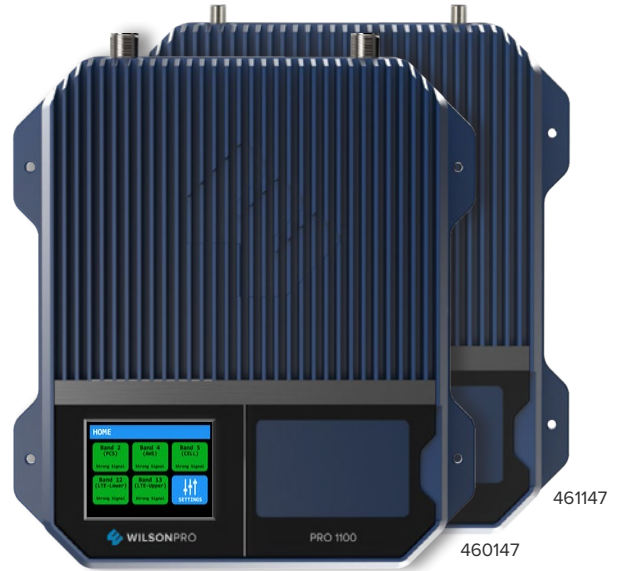
Pro 1100

SKU: 460147 • 461147

FEATURES

- Boosts cellular signal in buildings up to 35,000 sq. ft.
- FCC-approved and works with all major U.S. mobile carrier networks.
- Maximum uplink power of 25 dBm, downlink power up to 15 dBm.
- Built-in XDR technology to prevent overload/shutdown from signal.
- Onboard software to auto adjust gain to current signal environment.
- Ability to turn off specific frequency bands.
- Color LCD touch screen for greater control and usability of Pro 1100.
- Modern, intuitive amplifier design for ease of wall-mount installation.
- Choice of 50 Ohm “N” or 75 Ohm “F” connectors per cable preference.

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



Kit Includes

460147 50 Ohm Kit	Pro 1100 Amplifier	Outside Directional Antenna 314411	Inside Dome Antenna 304412	Lightning Surge Protector 859902	2ft Low-Loss Wilson400 Cable 952302	60ft Low-Loss Wilson400 Cable 952360	75ft Low-Loss Wilson400 Cable 952375
461147 75 Ohm Kit	Pro 1100 Amplifier	Outside Directional Antenna 314475	Inside Dome Antenna 304419	Lightning Surge Protector 859992	2ft Low-Loss RG11 Cable 951127	50ft Low-Loss RG11 Cable 951150	75ft Low-Loss RG11 Cable 951175

About

The **WilsonPro Pro 1100** is part of the next generation professional-grade cell signal amplification technology for Wilson Electronics. The Pro 1100 is a surprisingly powerful cell phone signal amplifier—capable of transmitting a 4dB stronger cellular signal back to the tower for always reliable cellular connectivity. This is twice the power of our competition. This added capacity makes the Pro 1100 ideal for large homes, medical offices, commercial buildings, and retail spaces up to 35,000 square feet in coverage area.

Designed to reach far away cell towers, the WilsonPro Pro 1100’s maximum uplink power provides 25dBm of available output. The Pro 1100 features a modern, intuitive design for easier antenna connection—placing each indoor and outdoor antenna port on top of the amplifier itself. The exposed mounting flange found on the amplifier unit’s corners make for simple and clean wall-mount installation.

Specifications

MODEL NUMBER	460147* / 461147*
FREQUENCIES	Band 12/17 700 MHz Band 13 700 MHz Band 5 850 MHz Band 4 1700/2100 MHz Band 25 1900 MHz
MAX GAIN	70 dB
MAX UPLINK POWER	25 dBm
MAX DOWNLINK POWER	15 dBm
IMPEDANCE	50 Ohms / 75 Ohms
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W
CONNECTORS	N-Female / F-Female
AMPLIFIER DIMENSIONS	9 x 10 x 2 in
AMPLIFIER WEIGHT	6.28 lbs / 6.22 lbs

Detailed Specifications

Pro 1100					
SKU	460147 / 461147				
Model Number	460047 / 461047				
FCC ID	PWO460047				
IC ID	4726A-460047				
Connectors	N-Female / F-Female				
Antenna Impedance	50 Ohms / 75 Ohms				
Frequency	698-716 MHz, 729-746 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
	24.0	24.0	25.0	25.0	25.0
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
	15.1	15.1	15.3	15.2	15.2
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	120V AC 0.5A				

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

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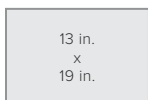
This device complies with Part 15 of FCC rules. Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by weBoost could void the authority to operate this equipment.

ASSEMBLED IN THE USA

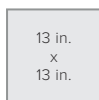


Package Dimensions

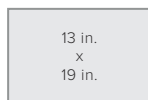
19 L x 13 H x 13 W



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

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 amplifier
- 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 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 amplifiers, 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.

ASSEMBLED IN THE USA



Specifications

MODEL NUMBER	463127* • 463227* • 463327*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	21 dBm	
MAX DOWNLINK POWER	12 dBm	
IMPEDANCE	50 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	1.5 x 6 x 8.75 in	
AMPLIFIER WEIGHT	2.78 lbs	

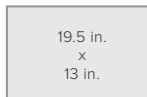
Detailed Specifications

Pro 70 Plus™ 50 Ohm					
SKU	463127				
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 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	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	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz
No. Tones					
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	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
No. Tones					
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

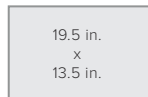
13 L x 19.5 W x 13.5 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

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

Support



3 Year Warranty from Purchase

Additional Product Kits

Pro 70 Plus (50 OHM) Directional/Dome Kit 463227*

- 1 Pro 70 Plus (50 OHM)
- 1 Wide Band Directional Antenna
- 1 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 Omni Building Antenna
- 1 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.

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 amplifier
- 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 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 amplifiers, 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 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	21 dBm	
MAX DOWNLINK POWER	12 dBm	
IMPEDANCE	75 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	F-Female	
AMPLIFIER DIMENSIONS	1.5 x 6 x 8.5 in	
AMPLIFIER WEIGHT	2.78 lbs	

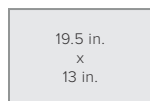
Detailed Specifications

		Pro 70 Plus*				
SKU		460127				
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 (Downlink) 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				

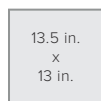
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Package Dimensions

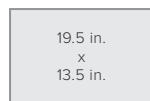
19.25 L x 13 W x 13.25 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

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

Support



3 Year Warranty from Purchase

Additional Product Kits

Pro 70 Plus (75 OHM) Directional/Dome Kit 460227*

- 1 Pro 70 Plus (75 OHM)
- 1 Wide Band Directional Antenna
- 1 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.

ASSEMBLED IN THE USA



IoT 5-Band

SKU: 460119, 460219, 461119

FEATURES

- Designed to link with a data modem as a direct-connect amplifier
- Improves overall cellular connectivity in weak signal environments
- Configurable to almost any Internet of Things (IoT) installation
- Pre-approved by all major cell carriers under FCC “part 20” rules
- Bi-directional amplification boosts signals to and from cell towers
- **Passive RF bypass failover** keeps modem going if power is lost
- Auto-power control to help ensure maximum signal output

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



PASSIVE RF BYPASS

Kits Include

460119* Basic Kit	Pro IoT 5-Band Amplifier	Mini Magnet Antenna 301126	AC/DC 5V/4A Power Supply 850012	6' RG174 w/ SMA Male to SMA Male Cable 951141				
460219* Hardwire Kit	Pro IoT 5-Band Amplifier	Mini Magnet Antenna 301126	12V DC to 6V DC 2A, Hardwire DC Jack 859923	6' RG174 w/ SMA Male to SMA Male Cable 951141				
461119* Security Kit	Pro IoT 5-Band Amplifier	Omni Antenna 304422	12' Adapter w/MMCX 951153	MMCX right angle to SMA Female Bulk head connector w/12" RG316 cable 951154	10' RG58 SMA Male to SMA Male 955834	30' RG58 SMA Male to N Male 955833	AC/DC 5V/4A Power Supply 850012	

About

The **WilsonPro IoT 5-Band** is a “Direct-Connect” solution for cellular network capable equipment and IoT devices. Compatible with all U.S. carrier networks, the IoT 5-Band connects directly with cellular modems and provides strong, reliable cell signal to guarantee successful IoT data transfer.

The IoT 5-band is offered in three different kit options:

- The basic kit; ideal for ATMs, vending machines, or movie-rental kiosks with access to AC power outlets.
- The hardwire kit with DC power supplied by a vehicle to amplify cell signal for an LTE-modem hotspot.
- The security kit with MMCX cables to interface with cellular-based home or business security systems.

The IoT 5-Band’s compact form factor is ideal for custom-designed IoT communication systems built within tightly constrained spaces. FCC certified, the IoT 5-Band allows OEMs to source a compact, powerful, and highly compatible cell signal amplifier that comes ready to deploy. In locations where cellular connectivity is adversely affected by distance to cell towers, terrain obstructions, or building materials (like concrete and steel), the IoT 5-Band is a proven go-to solution.

Specifications

MODEL NUMBER	460119 (basic kit) 460219 (hardwire kit) 461119 (security)
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
MAX UPLINK POWER	24 dBm
MAX DOWNLINK POWER	-3 dBm
IMPEDANCE	50 Ohm
POWER	110/240Vac, 50Hz/60Hz, 5VDC-5A
CONNECTORS	SMA Female
AMPLIFIER DIMENSIONS	1.25 x 3.5 x 6.25 in
AMPLIFIER WEIGHT	1.085 lbs

Detailed Specifications

Pro IoT 5-Band					
SKU	460119				
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	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz
No. Tones					
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	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
No. Tones					
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				

***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.

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Package Dimensions

	LENGTH	WIDTH	HEIGHT	WEIGHT	MASTER PACKAGE DIMENSIONS
460119	10.38"	5.25"	2.25"	2,020 lb	QTY 25 / 24.9" x 16.55" x 14.5" / 65 lb
460219	10.75"	5.25"	2.25"	1,865 lb	QTY 25 / 24.9" x 16.55" x 14.5" / 50 lb
461119	16.00"	4.00"	4.00"	4,585 lb	QTY 15 / 24.9" x 16.55" x 14.5" / 72 lb

Support



3 Year Warranty from Purchase

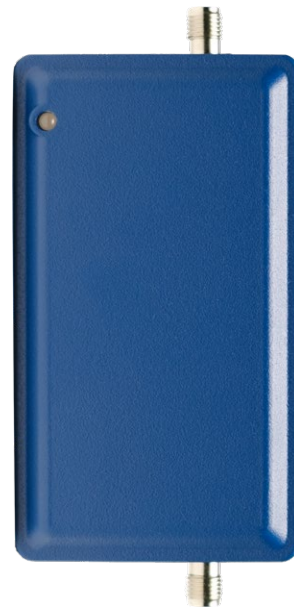
IoT 2-Band

SKU: 460209, 460109, 460309

FEATURES

- Designed to link with a data modem as a direct-connect amplifier
- Improves overall cellular connectivity in weak signal environments
- Configurable to almost any Internet of Things (IoT) installation
- Pre-approved by all major cell carriers under FCC “part 20” rules
- Bi-directional amplification boosts signals to and from cell towers
- Auto-power control to help ensure maximum signal output

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



Kits Include

460209* Basic Kit	Pro IoT 2-Band Amplifier	Mounting Bracket 901138	Mini Magnet Antenna 301126	5V / 4A A/C Power Supply 859969	6' RG174 w/ SMA Male to SMA Male Cable 951141
460109* 12" Antenna	Pro IoT 2-Band Amplifier	Mounting Bracket 901138	Outside 12" Magnet Antenna 311125	5V / 4A A/C Power Supply 859969	6' RG174 w/ SMA Male to SMA Male Cable 951141
460309* Hardwire Kit	Pro IoT 2-Band Amplifier	Mounting Bracket 901138	Mini Magnet Antenna 301126	12V DC to 5V DC 1A, Hardwired DC Jack 859989	6' RG174 w/ SMA Male to SMA Male Cable 951141

About

The **WilsonPro IoT 2-Band** is a “Direct-Connect” solution for cellular network capable equipment and IoT devices. Compatible with U.S. carrier networks using Band 5 (850 MHz) and Band 25/2 (1900 MHz), it connects directly with cellular modems to provide strong, reliable cell signal for successful data transfer.

The IoT 2-Band is offered in three different kit options:

- The basic kit; ideal for ATMs, vending machines, or movie-rental kiosks with access to AC power outlets.
- The 12” antenna kit, pairing the IoT 2-Band amplifier with Wilson’s #1 selling oversized magnet antenna.
- The hardwire kit with DC power supplied by a vehicle to amplify cell signal for an LTE-modem hotspot.

The IoT 2-Band’s compact form factor is ideal for custom-designed IoT communication systems built within tightly constrained spaces. FCC certified, the IoT 2-Band allows OEMs to source a compact, powerful, and highly compatible cell signal amplifier that comes ready to deploy. In locations where cellular connectivity is adversely affected by distance to cell towers, terrain obstructions, or building materials (like concrete and steel), the IoT 2-Band is a proven go-to solution.

Specifications

MODEL NUMBER	460209 (basic kit) 460109 (12” antenna kit) 460309 (hardwire kit)
FREQUENCIES	Band 5 850 MHz Band 25/2 1900 MHz
MAX GAIN	15 dB
MAX UPLINK POWER	24 dBm
MAX DOWNLINK POWER	-3 dBm
IMPEDANCE	50 Ohm
POWER	110/240Vac, 50Hz/60Hz, 5VDC-2A
CONNECTORS	SMA Female
AMPLIFIER DIMENSIONS	0.75 x 1.75 x 4 in
AMPLIFIER WEIGHT	0.175 lbs

Detailed Specifications

Pro IoT 2-Band			
SKU	460109		
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	1900 MHz	
	13.4	12.3	
20 dB Bandwidth (MHz)	800 MHz	1900 MHz	
Typical	41.7	84.1	
Maximum	43.3	88.9	
Power output for single cell phone (dBm)	800 MHz	1900 MHz	
Uplink	23.8	22.3	
Downlink	-6.05	-6.3	
Power output for multiple received channels (Uplink) dBm	800 MHz	1900 MHz	
No. Tones			
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	800 MHz	1900 MHz	
No. Tones			
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		

***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.

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Package Dimensions

	LENGTH	WIDTH	HEIGHT	WEIGHT	MASTER PACKAGE DIMENSIONS
460209	4.75"	7.75"	3.25"	0.965 lb	QTY 30 / 24.9" x 16.55" x 14.5" / 30 lb
460109	2.25"	12.75"	6.25"	1.170 lb	QTY 25 / 24.9" x 16.55" x 14.5" / 33 lb
460309	7.75"	4.75"	3.50"	1.020 lb	QTY 45 / 24.9" x 16.55" x 14.5" / 52 lb

Support



3 Year Warranty from Purchase

Cell LinQ Meter + App

SKU: 910054/910055

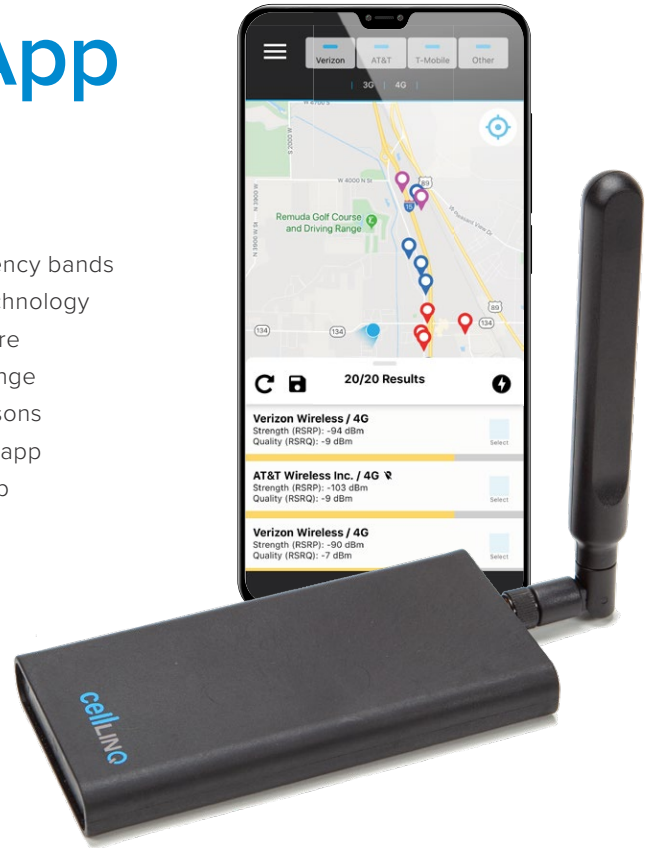
FEATURES

- Offers multi-band scanning of LTE, cellular, AWS, and PCS frequency bands
- Identifies individual carriers and towers using 3G and 4G/LTE technology
- Provides details on location, tower ID, distance to tower, and more
- Pinpoints active carriers and geo maps any active cells within range
- Captures all scan results; including time stamps for A/B comparisons
- Links via Bluetooth to iOS or Android devices with the Cell LinQ app
- Scans all carriers regardless of the carrier phone running the app

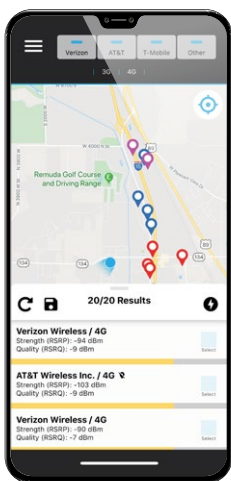
⚠️ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

About

The **Cell LinQ Meter + App** is a powerful cellular survey tool engineered with the needs of the professional integrator, installer, or designer of passive DAS, M2M, cellular networking or IoT systems in mind. A sophisticated, yet easy-to use device, the Cell LinQ meter links performs its site surveys by linking to the Cell LinQ app via Bluetooth on either iOS or Android smartphones or cellular-connected tablets. With its ability to conduct mobile surveys, network analysis, and data collection in the field, the Cell LinQ helps accelerate site-design time, reduce on-site visits, demonstrate ROI to clients, and much more.

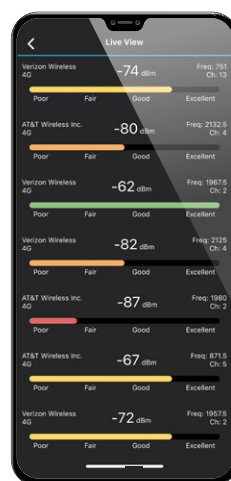


Signal Detail



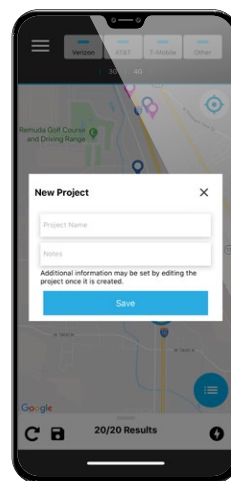
Select any tower to display signal quality, carrier, band, DL frequency, and more.

Live Mode



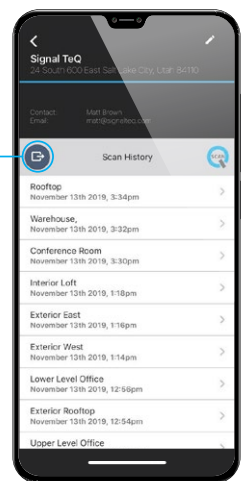
Signal strength will calibrate in real time as you fine tune during the install process.

Project Management



Customize, organize, and save all of your installs to the cloud for safekeeping.

Project Export



Easily export your system design projects as .csv files to import for use in Excel.

910055 - Cell LinQ Pro Meter with Hard Case with Accessories



Cell LinQ Pro Meter



External Antenna



2' Extension Cable RG58 955802'



- N-Female - F-Female
- SMA-Male - N-Male
- N-Male - N-Male
- SMA - N-Female



SMA -N-Male 3' Jumper



Mini USB Charger and Power Cord



Hard Case

910054 - Cell LinQ Pro Meter with Soft Case



Cell LinQ Pro Meter



External Antenna



Charging Cable



Soft Case

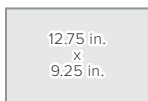
- **Battery Cell Type:** Polymer lithium-ion
- **Battery Weight:** Approx 46g
- **Number of Batteries:** 1
- **Number of Lithium-ion Cells:** single cell
- **Lithium Battery Energy Content:** 2500mAh
- **Is this a rechargeable Battery:** yes

Detailed Specifications

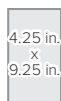
	Pro Signal Meter
SKU	910055/910054
Antenna connector	SMA
Antenna impedance	50 ohms
Dimensions	72 mm X 144 mm X 18 mm
Weight	6.2 oz
Maximum Input Power	24dBm
Sensitivity (LTE B2)	-103.0dBm
Sensitivity (LTE B4)	-102.5dBm
Sensitivity (LTE B5)	-103.0dBm
Sensitivity (LTE B12)	-103.0dBm
Sensitivity (LTE B13)	-103.0dBm
Charging Input	1.5A @ 5V

Hard Case Dimensions

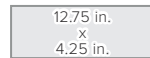
12.75 L x 4.25 W x 9.25 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

⚠ 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

ASSEMBLED IN THE USA



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 (859110)



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
AMPLIFIER DIMENSIONS	1.25 x 3.25 x 6.75 in
AMPLIFIER WEIGHT	0.51 lbs

Detailed Specifications

	Pro Signal Meter
SKU	460118
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

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Additional Accessories



Wide-Band Panel
Antenna 700-2700MHz
314411*



Pole Mount
Assembly
901117†



2' Extension Cable
RG58
955802†

Additional Product Kits



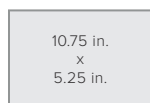
Signal Meter Kit

460218*

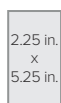
- 1 RF Signal Meter
- 1 3ft RG174 cable (SMA Male to SMA Male)
- 1 2ft RG58 cable (N Male to SMA Male)
- 1 5V/3A DC/DC Power Supply
- 1 5V/2A AC/DC Power Supply
- 1 N-Female to N-Female Barrel Connector
- 1 N-Male to F-Female Adapter

Package Dimensions

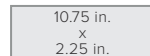
10.75 L x 2.25 W x 5.25 H



FRONT



SIDE



TOP/BOTTOM



1.198 lbs.

WEIGHT

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

Support



3 Year Warranty from Purchase

*⚠️ **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

Antennas (In-Depth)

IoT External Antennas

Features

- IoT and indoor use
- Perfect for IoT devices
- Easy to install magnetic mount

***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 41	
Impedance	50 ohms	
Antenna Gain	Refer to table on page 41	
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	LMR 100 - 10 ft.
Height	12.25 inches / 31.12 cm	4.175 inches / 10.60 cm
Mount	Rare earth magnet	Rare earth magnet

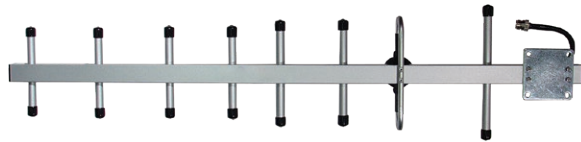
High Gain Directional Antennas



311228 Yagi
High Gain LPDA Antenna



311233 50 ohm
314411 50 ohm
314475 75 ohm
Wide Band
Directional Antenna



301111 Yagi 800 MHz
Directional Antenna

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

SPECIFICATIONS

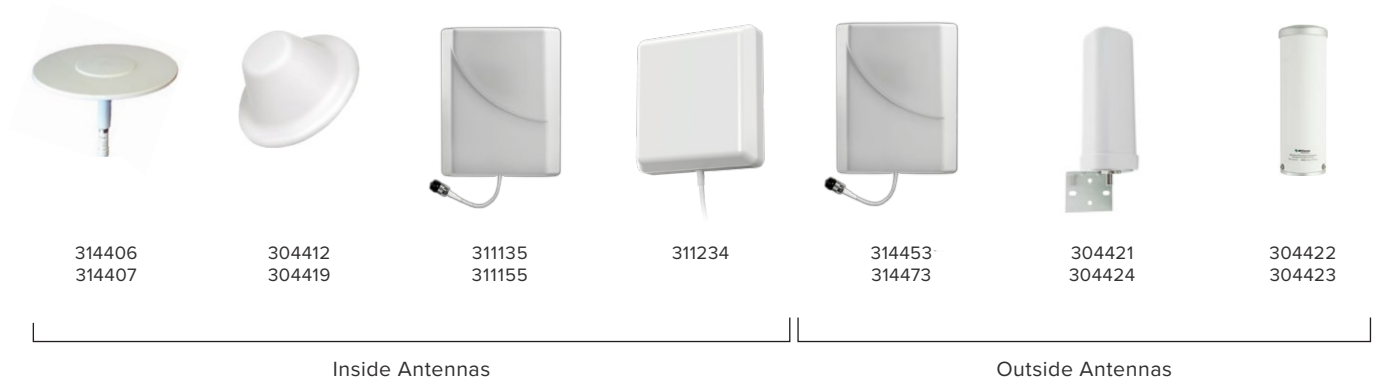
PART NUMBER	Yagi		Log-Periodic		
	311228*	301111*	311233*	314411*	314475*
Frequency	Refer to table on page 41				
Impedance	50 ohms			75 ohms	
Antenna Gain	Refer to table on page 41				
Max Power	50 watts				
Polarization	Directional				
Polarization	Vertical				
Connector	N-Female			F-Female	
Material	Aluminum				
Length	44 inches / 111.7 centimeters	32.5 inches / 82.6 centimeters	11.5 inches / 29.2 centimeters	11.42 inches / 29 centimeters	
Weight	3.5 lbs / 1.5 Kg	2.9 ounces / 0.081 kg (with mount)	1.9 lbs / 0.9 Kg	3.31 lbs / 1.5 Kg	
Mount	1.5-2.0 inch / 3.8-5.0 centimeters		Mounts on pipe with 0.5 inch to 1.5 inch diameter		
Wind Surface Area	N/A	<100 cm ²	<465 cm ²		
Brackets	1.5-2 inches		Max OD 2 inches		

Building Antennas

Features

- No ground plane required
- Mounting hardware included
- For fixed installations

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



SPECIFICATIONS

	Low-Profile Dome		Dome		Panel					Omni				
PART NUMBER	314406*	314407*	304412*	304419*	311234*	311135*	314473*	314453*	311155*	304421*	304424*	304422*	304423*	
Frequency	Refer to table on page 41													
Impedance	50 ohms	50 ohms	50 ohms	75 ohms	50 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 41													
Max Power	40 watts		50 watts		20 watts	50 watts					100 watts			
Beamwidth Hor. Plane	360°		360°		~70-90°	70°/60°					360°			
Beamwidth Ver. Plane	25°/90°	100°/130°	60°		~60-90°	50°/45°					60°			
VSWR	2:1		1.5:1		Low: <2.2:1 High: <1.6:1	1.5:1					<1.8	<1.8	<1.8	<1.8
Connector	N-Female		N-Female	F-Female	N-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		6.6x6.2x1.8 / 168 x 158 x 47	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				Not required									

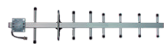
Antenna Frequency Specific Gain Chart (dBi)

		FREQUENCY IN MHz						
		617-698	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	311228	-	12	12	12	12.9	13.1	11.2
	311233	4.8	6.3	8	8	8.3	7.6	7.8
	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
LOW-PROFILE DOME ANTENNAS	314406	6	4	4	4	6	6	6
	314407	6	4	4	4	6	6	6
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
	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
	311234	5.5	6	7	7	7.2	7.2	8
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
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
301111*

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




Omni-Directional Building Antenna
304421*

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



Omni-Directional Building Antenna
304424*

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



Omni-Directional Plus Building Antenna
304422*

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




Omni-Directional Plus Building Antenna
304423*

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



Wide Band Directional Antenna
314411*

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




Pole Mount Panel Antenna
314453*

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



Pole Mount Panel Antenna
314473*

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



Wide Band Directional Antenna
314475*

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



Yagi Antenna
311228*

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




Wide Band Directional Antenna
311233*

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


Building Antennas — Internal

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



Dome Antenna
304412*

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



Dome Antenna
304419*

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




Wall Mount Panel Antenna
311155*

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



Wall Mount Panel Antenna
311135*

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



Low-Profile Dome Antenna, with Reflector
314406*

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



Low-Profile Dome Antenna
314407*

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



Wall Mount Panel Antenna
311234*

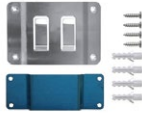
- 50 Ohm
- 617 MHz - 2700 MHz Vertically Polarized
- w/N Female Connector

Building Mounts

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



IoT 2-Band
Mounting Plate
901138*



Wall Mount for Panel
Antenna
901143*



In-Wall Panel Antenna
Mount
901123*



Ceiling Mount for Panel
Antenna
901140*



Pole Mount for Panel
Antenna
901142*

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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*



Reflector for Low-Profile Antenna
904407*

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.



Splitter 2 way, -3dB, 700-2700 MHz
w/ F Female Connectors, 75 Ohm
850034*



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



Splitter 3 way, -4.8dB, 700-2700 MHz
w/ F Female connectors, 75 Ohm
850035*



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



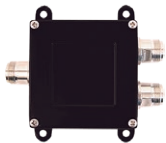
Splitter 4 way, -4.8dB, 700-2700 MHz
w/ F Female Connectors, 75 Ohm
850036*



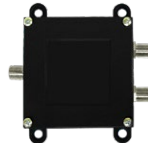
Splitter 4 Way -6 dB 700-2700MHz
w/N Female Connectors, 50 Ohm
859981*

Taps

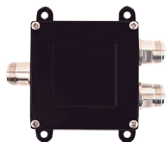
*⚠️ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.



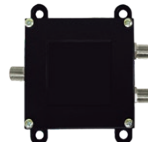
-10 dB Tap 700-2500 MHz w/0.5 dB Pass
Thru 50 Ohm (N Female Connector)
859907*



-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*

Cables and Connectors



Connector SMA Female to SMB Adapter
970019*



Connector SMA Male to SMB Adapter
970030*



FME Male - TNC Male Connector
971106*



Connector N-Female to FME-Female
971107*



N Female - FME Male Connector
971108*



N Female - N Female Barrel Connector
971117*



SMA Male to FME Male Connector
971119*



N Male - F Female Connector
971128*



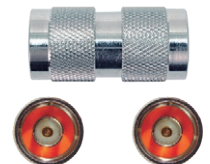
F Female - F Female Connector for RG6 Cable
971129*



SMA Male to N Male Connector
971132*



FME Female to SMA Female N Male - N Male 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 to F Female Connector
971165*



N Male Connector (no solder) for 400 cable
970024*



N Male Connector (no solder) for 400 cable (qty 10 bagged)
970024-10*



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



FME Female Crimp Connector
971114*



N Male Crimp Connector for RG58 Cable
971116*



F-Male Compression Connector for the RG11 Cable
971150*



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

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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



**RG11
COAX CABLE
F-MALE / F-MALE
BLACK**

951127* 2 feet 951100* 100 feet
951150* 50 feet 951155* 500 feet
951175* 75 feet²

²compatible 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

**RG6 LOW-LOSS COAX CABLE
F-MALE / F-MALE BLACK**

950631* 30 feet



**WILSON400
ULTRA LOW-LOSS COAX CABLE³
N-MALE / N-MALE BLACK**

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

³equivalent to LMR-400



**RG58 LOW-LOSS FOAM COAX CABLE
SMA-FEMALE / SMA-MALE BLACK**

955805* 5 feet
951147* 10 feet
955815* 15 feet

N-MALE / SMA-MALE BLACK

955802* 2 feet
955812* 10 feet
955822* 20 feet
955833* 30 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**

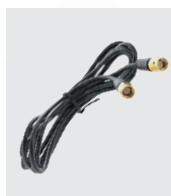


**RG58U
LOW-LOSS FOAM COAX CABLE
N-MALE / N-MALE WHITE
951148* 20 feet**



**FLAT WINDOW CABLE
F-FEMALE / F-FEMALE
WHITE**

951177* 10 inch



**COAX CABLE BLACK
SMA-FEMALE TO SMA-MALE
951130* 6 feet**
**SMA-FEMALE TO SMA-MALE
955832* 30 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.

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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

BUILDING AMPLIFIER: REPLACEMENT AC POWER SUPPLIES

PART	IMAGE	DESCRIPTION	COMPATIBLE WITH
850010*		110/240VAC 50/60Hz to 12VDC/3A w/6 ft Cable	Pro 70 Plus (50 ohm) (463127, 463227, 463327) Pro 70 Plus (75 ohm) (460127, 460227)
850012*		110/240VAC 50/60Hz to 5VDC/4A w/6 ft. Cable	IoT 5-Band/Signal 4G (460119) IoT 5-Band Security/Signal 4G Security (461119)
850023*		110/240VAC 50/60Hz to 12V/3A	Pro 1100 (460147, 461147)
859969*		110/240VAC 50/60Hz to 5VDC/2A w/4.5 ft. Cable. Includes Mini USB Jack	IoT 2-Band/Signal 3G (460109, 460209) Pro Signal Meter (460118, 460218)

M2M/IOT AND SIGNAL METER: REPLACEMENT DC POWER SUPPLIES

PART	IMAGE	DESCRIPTION	COMPATIBLE WITH
859110*		DC/DC Power Supply 5V/3A w/ 3 ft USB Cable	Pro Signal Meter (460118, 460218)
859923*		DC/DC Hardwire Power Supply 6V/2A Fused 12-24VDC w/10.5 ft Cable	IoT 5-Band Hardwire/Signal 4G Hardwire (460219)
859989*		DC/DC Hardwire Power Supply 5V/1A 12-24VDC w/12 ft Cable	IoT 2-Band Hardwire/Signal 3G Hardwire (460309)

* **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

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

Warranty Overview

3 Year Warranty

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

3-Year Warranty WilsonPro Signal Boosters are warranted for three (3) years against defects in workmanship and/or materials. Refurbished WilsonPro Signal Boosters are warranted for one (1) year 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 Amplifiers 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 Amplifier determined by WilsonPro to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.



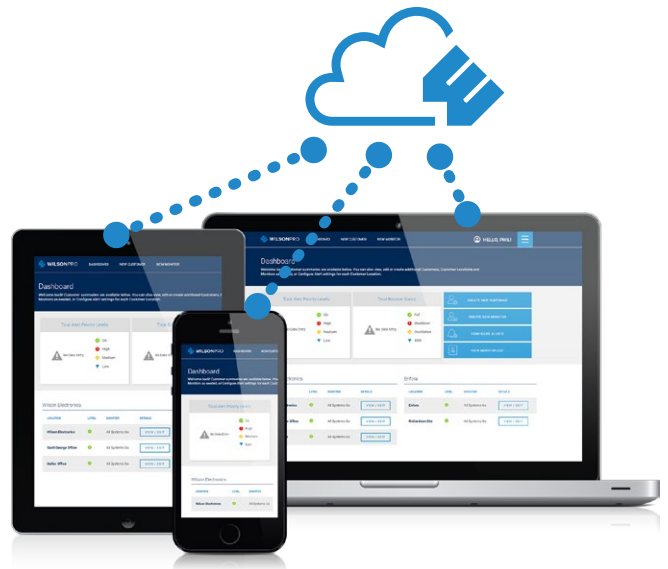
INTRODUCING WILSONPRO CLOUD

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.

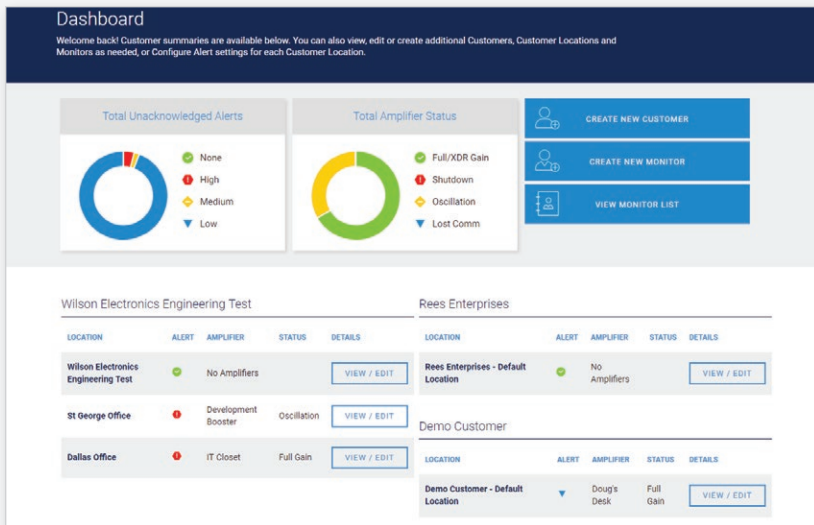


The wireless LTE connection is included in the annual WilsonPro Cloud subscription.

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

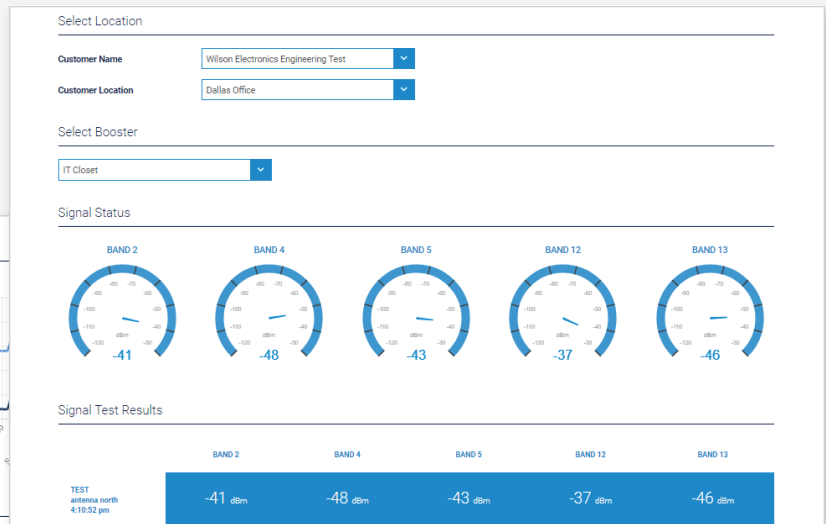
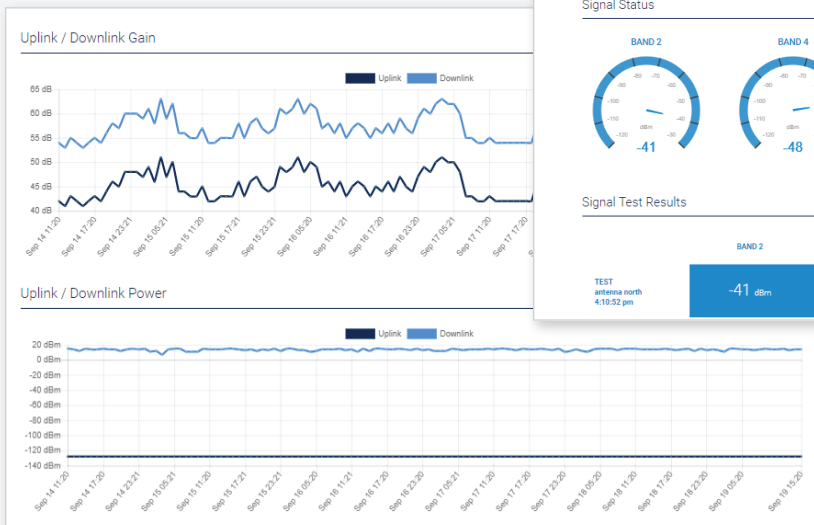


CURRENTLY AVAILABLE ON

ENTERPRISE 4300
ENTERPRISE 4300R
ENTERPRISE 1300
ENTERPRISE 1300R

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

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



THE DEFINITIVE GUIDE

to WilsonPro In-Building Cellular
Amplifier Installation

Introduction

Welcome to WilsonPro’s definitive guide to in-building cellular signal amplifier installations. In this ebook we will cover everything that is involved in getting a WilsonPro cellular amplifier implemented to improve connectivity in buildings where there is outside signal but the internal signal is poor (or nonexistent).

Once you’ve read this guide, you will have a better idea of what the process is - from start to finish - for installing a solution to improve cell signal wherever you need it most.

Table of contents

- What is a cellular amplifier and how does it improve signal inside of buildings? 1
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- Working with a Dedicated Integrator 2
- Getting a Site Survey 3
- Prioritizing Signal Boosting Needs 4
- Designing Your Customized Solution 5
- What to Expect During and After Your Installation 6
- How long will an install take? 7
- How much does a WilsonPro amplifier solution cost? 7
- Remote Monitoring 8

What is a cellular amplifier and how does it improve signal inside of buildings?

As much as cellular service has permeated the far corners of the globe, there are still places where — whether because of remote location, environmental interference, or building materials — indoor cell signal reception is problematic. Cell phone signal amplifiers address this problem by amplifying existing, strong outside cell signal and pushing it to indoor areas where signal is weak.

Cell signal amplifiers can improve call quality and cellular data reception inside residential buildings, hotels, corporate offices, healthcare facilities, warehouses, and other buildings of all sizes. These boosters can detect and collect cell signals that are up to 30 times more faint than what can be detected by a mobile device.

Signal boosters are comprised of three main components — a donor antenna, an amplifier unit, and a broadcast antenna.

- 1** The [donor antenna](#) is mounted outside of a building in order to capture strong signal from nearby towers. These antennas are typically placed on the roof or side of a building.
- 2** As its name implies, the amplifier unit amplifies the signal captured from the cell tower.
- 3** The [broadcast antenna](#) is installed indoors and delivers the amplified cell signal to phones and other mobile devices.

WilsonPro has advanced technology called Multi-Tower Targeting built into the enterprise products that use its three outdoor-antenna-port configuration to receive cellular signal from multiple cell towers at the same time boosting the strongest possible signal for all carriers into your building.

If you're considering a cellular signal amplifier solution for your building, it's helpful to know what to expect throughout the implementation process.



Get a Needs Assessment

A phone consultation with a WilsonPro authorized representative will help you understand and identify how a cellular amplifier can address your needs based on your particular situation. During this initial conversation you'll discuss the size of your building, its location, what problems you're experiencing, and where. They'll also note your timeline for the installation and who will be involved in decision making throughout the process.

You'll also discuss your connectivity needs. For example, do you need strong, reliable cell signal coverage mostly for phone calls, texting, uploading and downloading data, or all of the above? Also, what solutions have you looked at in the past to address this issue?

Working with a Dedicated Integrator

Your WilsonPro authorized representative can discuss your cellular connectivity needs with you and get you on the path to your cellular amplifier installation in your building. They'll start by referring you to a WilsonPro-certified integrator in your area. This professional has a deep working knowledge of the different products that can improve signal inside of buildings and how they can be used.



Getting a Site Survey

Once you've completed this initial exploratory conversation, your integrator will schedule a [site survey](#) at your building. A site survey is the first and most crucial step in assessing your cellular signal amplification needs to ensure you receive the best solution.

Your integrator will conduct a complete assessment to accurately determine the source of the strongest cell signal in your area and which carriers/network get the best and worst signal there. The integrator will note the strongest and weakest signal areas inside your building.

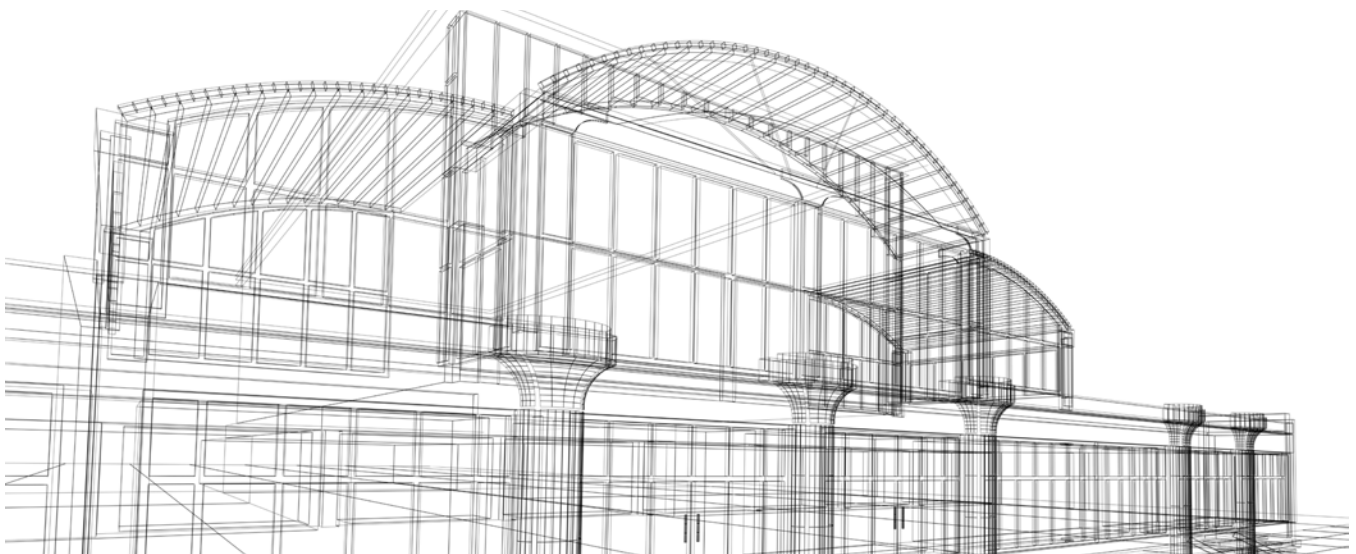
The integrator relies on decibels instead of bars to get the most accurate measure of signal strength since the bars on a mobile phone are based on a manufacturer-generated algorithm. Therefore bars can vary greatly among different carriers and devices.

All of this signal measurement data will ultimately dictate the type of equipment needed to improve your signal, and where it should be placed to achieve the best results. It's important to conduct the site survey at a time of day that will provide an accurate picture of what the typical cellular needs and usage demands are in your building.

Whether you're an occupant, owner, or manager of the building, you play an important role in the site survey, too.

First of all, you will need to ensure that the integrator can access all necessary places in the building to conduct a thorough site survey. This begins with providing a complete floor plan and, if necessary, working with building maintenance, security personnel, or city departments to obtain access to the roof or areas that may be restricted.

In fact, roof access is almost always necessary because that's where donor antennas are typically placed. In order to get the most out of your site survey, your integrator will need complete access in and around the building.



Prioritizing Signal Boosting Needs

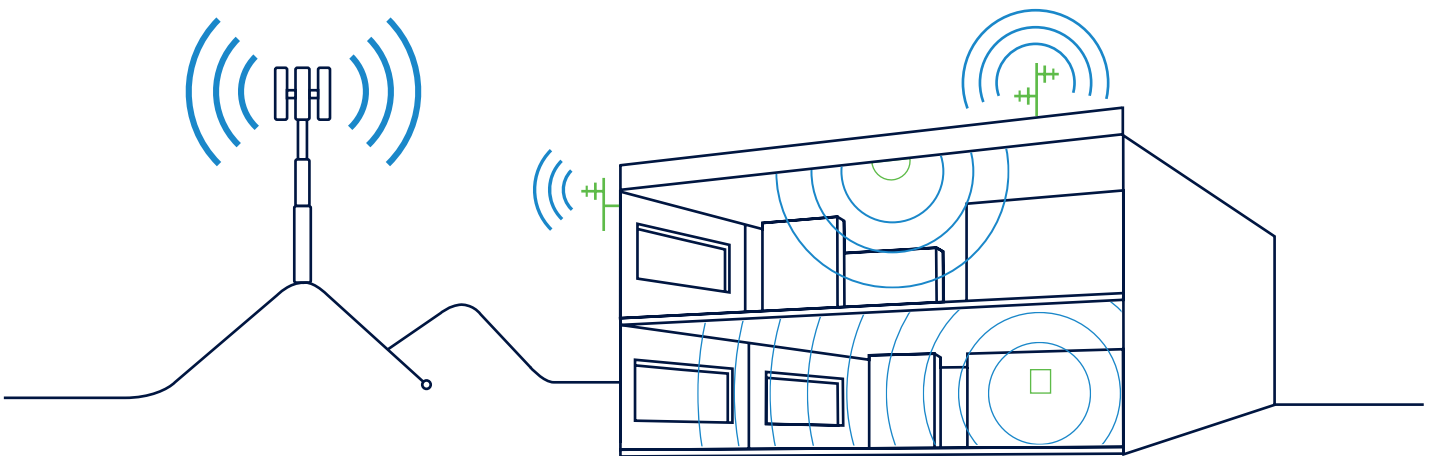
The initial site survey also provides an opportunity to capitalize on the expertise of your integrator to help determine how to prioritize the signal needs in your building. For example, you may choose to focus on key areas, such as executive offices and conference rooms, and make areas that are less essential to business functions — such as storage areas, break rooms, or cafeterias — a lower priority.

When making these decisions, you'll also want to consider the pain points of the employees, visitors, and patrons of your business. For example, beyond the workspace area, where else might an employee need (or appreciate) strong cell signal? While you may be inclined to bypass signal boosting in common and break areas, consider how often people routinely make calls or send texts and emails from these areas on their personal break times.

If you're the owner of a retail business, you should consider the signal needs throughout your entire store. While strong signal at the checkout counter is

imperative for secure payments and fast transactions, your customers will also likely want to research or price-compare a product online, access online or email coupons like Whole Foods and Target offer on their mobile app, or send a photo to friends or family for validation on an important purchase.

All of these are crucial considerations and your integrator can work with you to ensure you don't overlook any key factors in deciding which areas in your building receive priority for enhanced cell coverage. Of course, you can always make future additions and adjustments to your installation as new needs are identified.



Designing Your Customized Solution

Once the initial consultation and site signal survey are complete, your integrator will put together a customized installation plan based on your specific needs, building size, and outside signal strength.

WilsonPro offers [a variety of amplifiers](#) to meet different building size requirements. WilsonPro amplifiers can cover a large square footage since multiple amplifiers can be installed in a single building.

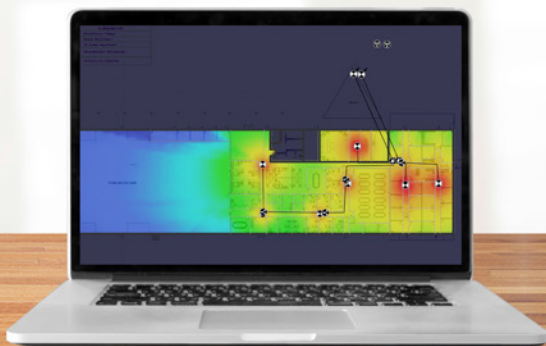
All of these solutions are carrier-agnostic, meaning they can amplify signal from all carriers, and across all devices. Your installation plan will be designed to maximize coverage throughout your space, prioritizing any specific areas you've identified in your site survey and consultation.

The physical installation of antennas and cable will span both indoor and outdoor areas of your building. Amplifiers are generally best placed in a dedicated IT closet or communications room because they require a reliable and strong power source to function properly.

It's also recommended to utilize a universal power supply so the amplifier will never shut down even in a power outage. When providing the details of your floor plan to your integrator, be sure to clearly identify where in the building these areas are located. This will aid your integrator's design of the amplifier system's layout.

Once your integrator has finalized your system design, you will receive a proposal outlining all of the details of the installation and an upfront breakdown of costs, including materials and labor. The cost breakdown is flexible and may go up or down based on changes to your requirements. Proposals might also include case studies and/or recommendations from other WilsonPro customers.

If you prefer, you can also [request a demo in your building](#). During the demo, your integrator will set up the donor antenna and cabling, and turn on the amplifier. This gives you an opportunity to see first-hand how an amplifier can improve connectivity in your building before committing to permanently install anything.



What to Expect During and After Your Installation

The intention of WilsonPro and its approved installers is to complete this process with as little disruption to you as possible. Because WilsonPro's solutions use passive distributed antenna systems (passive DAS), they are far less intrusive compared with active DAS installations, which require complex fiber optic networks that often necessitate breaking into walls, ceilings or floors. WilsonPro-certified integrators will communicate to you during the site survey what they expect in terms of construction needs for the project, such as moving items, drilling, installing cable, and placing antennas.

Whenever possible, integrators will use existing access points to install equipment as long as signal can be adequately amplified via those locations. Overall, you can expect your installation to be as non-intrusive as possible to your building structure and your daily operations.



The exact details of the installation will vary depending on the type of business, the construction of the building, and any aesthetic requirements.



School or campus installations, for example, often feature thicker interior wall construction with concrete and brick. In these facilities, your installer will work to recommend the antenna that best satisfies the need for both aesthetics and coverage.



Warehouse and manufacturing facilities typically have fewer aesthetic requirements. However, they must account for any materials or machinery that could impede signal to areas where it's most needed throughout the building.



Retail spaces, hotels, and office buildings have unique requirements because (as mentioned earlier) owners and building managers must consider both business/employee and customer/patron needs, as well as where and how each will be using their devices. For many upscale or brand-conscious businesses, aesthetics may also be a consideration.



Hospitals and healthcare facility installations must strike a balance between enabling critical communications and business functions, while also minimizing disruption to patients and doctors. Clean installation methods and techniques are used to meet the hospitals' sanitary and environmental standards.

How long will an install take?



The installation of a cellular amplification system can take anywhere from a few days to a few weeks, or months. Completion times are dependent on several factors, such as building size, coverage requirements, facility accessibility, hours of install work and resource availability.

Once your project is complete, your integrator will conduct a walkthrough with you. As part of the protocol, the integrator will measure the signal and compare the level of improvement to the signal readings obtained during the initial site survey.

The ability to make calls, browse the internet, make downloads/uploads and send/receive texts in areas where you weren't able to before is another good measure of success.

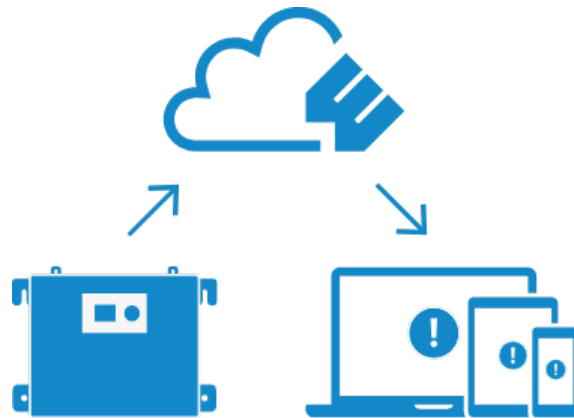
How much does a WilsonPro amplifier solution cost?

	WilsonPro Solutions	Active DAS	Micro Cell	FemtoCell	WiFi Calling
Project Timeline	2 weeks to 2 months	6 months to 2 years	6 months to 2 years	2 weeks to 2 months	N/A
Network Interface	Not Required	User-provided Internet connection required	User-provided Internet connection required	User-provided Internet connection required	User-provided Internet connection required
User Connection Experience	Seamless	Seamless	Seamless	Password/Registration required	Password/Registration required
Multi Carrier	✓	Single carrier typical	Single carrier typical	Single carrier typical	N/A
Price per Sq Ft	\$	\$\$\$	\$\$-\$	\$\$-\$	\$
Coverage Area	Unlimited	Unlimited	Large building or city block	A few rooms per femto	A few rooms per access point

Remote Monitoring

To ensure the optimal performance of your cellular signal amplification system, your WilsonPro integrator will offer maintenance and support for any new or future needs or problems. Remote monitoring is part of many WilsonPro boosters including the Enterprise 1300/1300R and Enterprise 4300/4300R series of products. These cloud-enabled systems alert customers of any changes or issues so the integrator can be notified and make adjustments to the amplifier for optimal performance.

Both integrators and building managers can remotely monitor the amplifiers from any mobile device and be immediately notified of any issues, such as system failure, [oscillation](#), or change in signal strength. This enables remote troubleshooting when necessary and also allows end users to closely monitor and measure the return on investment (ROI) on infrastructure spend and manage expectations with employees and leadership.



How Are Your Customers Solving Weak Cell Signal?

Grow your business with WilsonPro cell signal amplification solutions.

The Problem

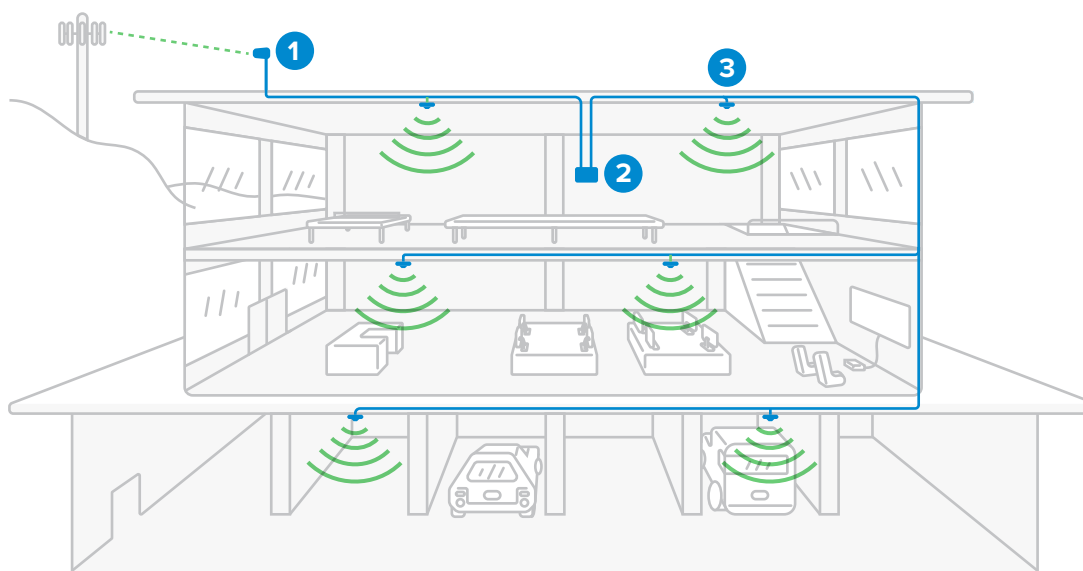
When it comes to dropped calls, missed texts, and slow data at home or at work, weak or nonexistent cell signal is to blame. And it's not always the fault of the carrier.

Factors that affect indoor cell signal quality include:

- Energy efficient building materials
- Distance from the closest cell tower
- Surrounding trees, hills, or landscape
- Nearby buildings or other structures

The Solution

WilsonPro amplifiers improve the quality of existing cell signal from small commercial offices to hospitals to large manufacturing facilities. This is how it works: Using our modular system, you can expand coverage from 5,000 sq ft to over 1 million sq ft.



1 Outside (Donor) Antenna

Signal from nearby cell tower is received by an outside antenna.

2 Signal Amplifier

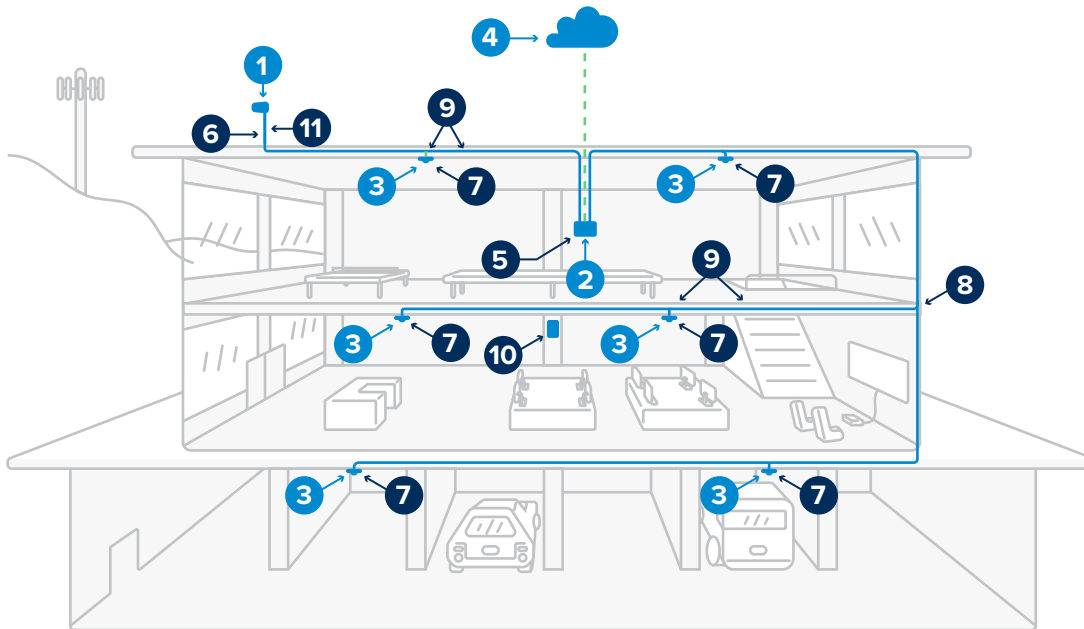
The outside antenna then sends the signal inside to the amplifier.

3 Inside (Internal) Antenna

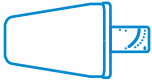
An amplifier boosts the signal for broadcast by the inside antenna.

The Opportunity

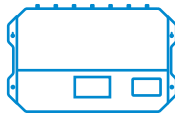
WilsonPro is the recognized leader in commercial cell signal boosting technology. Our solutions complement many of the other services you offer—even sharing similar installation techniques. This is illustrated by the diagram below:



WilsonPro Components



1 WilsonPro Outside Antenna



2 WilsonPro Amplifier

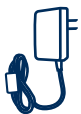


3 WilsonPro Inside Antenna



4 With the addition of the **WilsonPro Cloud**, you can also enjoy exciting new incremental revenue opportunities while satisfying the growing need for cellular connectivity for your customers.

Compatible Accessories



5 Battery Backups (UPS)



6 Mounting Hardware



7 Antennas



8 Cable Management



9 Cables/Connectors



10 Network Redundancy



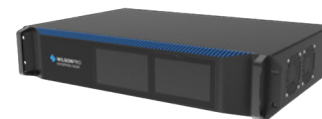
11 Grounding Solutions

Enterprise 4300

SKU: 460152

FEATURES

- Three outdoor antenna ports to target multiple carrier towers.
- Four independently controlled indoor antenna ports built in.
- Wired or LTE WilsonPro Cloud access for remote functionality.
- Network Scanning for real-time measurements of cell signal.
- Up to 26 dBm in uplink power.
- 17 dBm in downlink power per port.
- XDR technology to virtually eliminate shutdown or signal loss.
- Works with ALL phones and cellular devices on ALL carriers.



RACK MOUNT OPTION:

**Enterprise
4300R**

Standard Kit Includes



Enterprise 4300
or Enterprise 4300R
Amplifier



Outside
Directional Antenna
(314411)



Inside Dome
Antenna x4
(304412)



Lightning Surge
Protector
(859902)



2 ft. Wilson400
Cable
(952402)



100ft Low-Loss
Wilson400 Cable x5
(952300)

About

The WilsonPro **Enterprise 4300/4300R** is a commercial-grade, in-building cellular amplifier that represents the latest in cell signal boosting technology—including a revolutionary industry-first, three outdoor-antenna-port configuration. Depending on cell tower locations, using up to three outdoor antennas (each dedicated to a specific frequency band to collectively amplify signals from multiple towers) helps maximize coverage in commercial spaces up to 100,000 sq.ft.*

Based on user need or preference, the Enterprise 4300/4300R can also utilize “common mode” as a default; using only a single outdoor (donor) antenna and a single port to receive cell signal.

With wired or LTE access (using the built-in cellular modem) to the WilsonPro Cloud for remote functionality, the Enterprise 4300/4300R provides integrators and building managers with the capability to remotely manage, monitor, and adjust their amplifier, as well as receive real-time measurements of cell signal power, bands, frequency, and quality through network scanning. Immediate notification of issues, such as system failure, oscillation, or change in signal strength is also provided via text or email.

The Enterprise 4300/4300R generates up to 26 dBm in uplink power—enabling it to reach towers at much greater distances. With up to 17 dBm in downlink power per port, it's also one of the most powerful amplifiers in its price range. With all four indoor-antenna ports equipped with up to 17 dBm downlink power of their own, each of the Enterprise 4300/4300R's four indoor antennas can effectively broadcast signal. The “R” model name signifies its rack-mount option.

This amplifier includes a 3-year manufacturer's warranty and a 30-day money-back guarantee.

*Depending on outside signal conditions.

Specifications

SKU	460152* • 460252* • 460352* • 460452* 460153* • 460253* • 460353* • 460453*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	26 dBm	
MAX DOWNLINK POWER	17 dBm	
IMPEDANCE	50 Ohm	
POWER	120 V AC, 60 Hz, 60 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	19 x 12 x 2.5 • 17.5 x 12 x 3.75 in	
AMPLIFIER WEIGHT	16.930 lbs • 9.860 lbs	

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

Detailed Specifications

		4300 / 4300R				
SKU		460152 / 460153				
Model Number		460052 / 460053				
FCC ID		PWO460052 / PWO460053				
IC ID		4726A-460052 / 4726A-460053				
Connectors		N-Connectors				
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	
	22.9	23.1	24.6	22.8	25.5	
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz	
	16.9	16.7	16.8	16.6	16.6	
Noise Figure		5 dB nominal				
Isolation		> 90 dB				
Power Requirements		120V AC 0.5A				

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.

ASSEMBLED IN THE USA



Kit Variations

Note: Custom kits do not include antennas, lightning surge protectors, etc. Custom kits only include the amplifier, a power cord, and the noted spool of cable.



SKU	460152 - STANDARD KIT	460252 - CUSTOM KIT	460352 - CUSTOM KIT	460452 - CUSTOM KIT
KIT CONTENTS	2' & 100' (qty: 5) sections of connectorized Willson400 cable	500' Wilson400 Spool	1000' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	28" / 19" / 21" / 65.06 lbs SHIPS IN ONE BOX	19" / 12" / 2.5" / 21.75 lbs	19" / 12" / 2.5" / 21.75 lbs	19" / 12" / 2.5" / 21.75 lbs
PKG 2 of 2 L/W/H/WEIGHT		14.5" / 15.5" / 9" / 36.86 lbs	17" / 17" / 15" / 72 lbs	14.25" / 14.25" / 13" / 53 lbs



SKU	460153 - STANDARD KIT	460253 - CUSTOM KIT	460353 - CUSTOM KIT	460453 - CUSTOM KIT
KIT CONTENTS	2' & 100' (qty: 5) sections of connectorized Willson400 cable	500' Wilson400 Spool	1000' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	28.75 / 19 / 20.5 / 57.6 lbs SHIPS IN ONE BOX	17.5" / 12" / 3.75" / 15.3 lbs	17.5" / 12" / 3.75" / 15.3 lbs	17.5" / 12" / 3.75" / 15.3 lbs
PKG 2 of 2 L/W/H/WEIGHT		14.5" / 15.5" / 9" / 36.86 lbs	17" / 17" / 15" / 72 lbs	14.25" / 14.25" / 13" / 53 lbs

Support



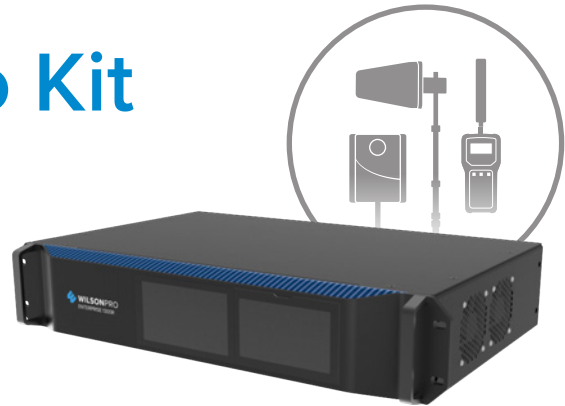
3 Year Warranty from Purchase

WilsonPro Pro Demo Kit

SKU: 620037

FEATURES

- WilsonPro Enterprise 1300R amplifier
- Tripod-mounted outside and inside antennas
- Rechargeable RF signal meter with cable adapter
- 75'- and 60'-lengths of Wilson400 antenna cable
- Pelican™ case with custom protective foam liner
- Works with all phones and devices on all carriers



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

Kit Includes



About

The **WilsonPro Pro Demo Kit** comes with everything needed to provide on-site demonstrations of WilsonPro's latest in-building cell signal amplification technology for prospective customers.

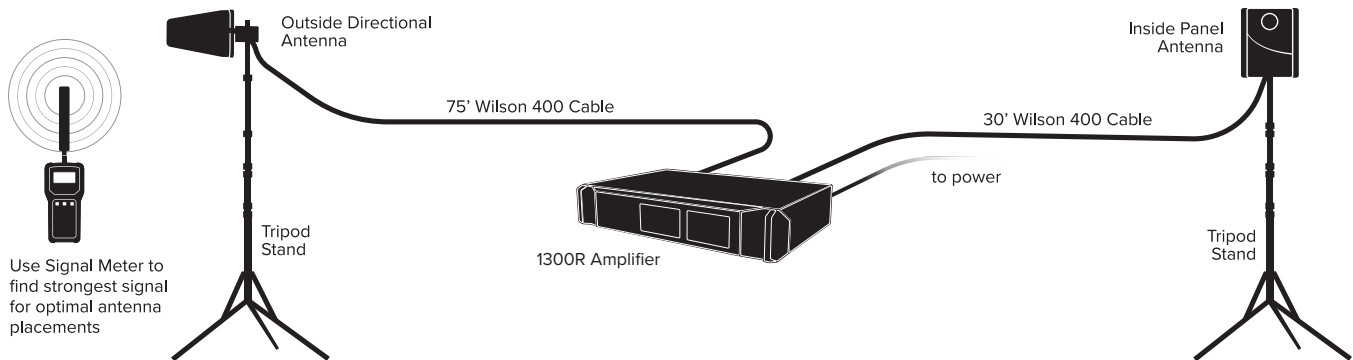
Designed for easy setup and quick takedown, the Pro Demo Kit allows sales representatives to perform a soft-install of the WilsonPro Enterprise 1300R amplifier system within 30 minutes or less. To help customers to better visualize the real-world impact of a WilsonPro system within their weak signal environment, the kit features an RF signal meter for taking "before and after" readings during the on-site demonstration. The featured tripods allow for optimal mounting and positioning of the outside and inside antennas—all without the need to drill holes in walls.

For added convenience, the entire Pro Demo Kit fits securely inside a protective Pelican™ case. The kit also includes a 3-year manufacturer's warranty and a 30-day money-back guarantee.

Specifications

MODEL NUMBER	460150*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	26 dBm	
MAX DOWNLINK POWER	17 dBm	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	17.5 x 12 x 3.75 in	
AMPLIFIER WEIGHT	9.66 lbs	

Setup Overview

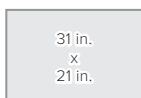


How to install the Pro Demo Kit

1. Mount outside antenna and inside antenna to their tripods and place in desired locations.
2. Connect black antenna to the RF signal meter and turn it on. Then, measure signal strength near the outside antenna and the inside antenna across channel blocks and frequency bands.
3. Uncoil cable and connect the 75' length to outside antenna and 60' length to inside antenna.
4. Remove black antenna from the RF signal meter, then replace antenna with cable adapter.
5. Connect the RF signal meter and adapter to end of the outside antenna's 75' cable (before it comes into the amplifier) to test the signal strength as it comes into the cellular amplifier.
6. Remove cable from the adapter and RF signal meter and connect cable ends to appropriate amplifier antenna ports. Then, plug in the WilsonPro Enterprise 1300R amplifier and turn it on.
7. Use the RF signal meter to take readings near the inside panel antenna where the pre-install readings were done. Encourage others to use their phones to further test the improved signal.

Package Dimensions

31 L x 21 H x 15 W



FRONT



SIDE



TOP/BOTTOM



WEIGHT

MASTER CARTON: None

Support



3 Year Warranty from Purchase

Cell LinQ Meter + App

SKU: 910054/910055

FEATURES

- Offers multi-band scanning of LTE, cellular, AWS, and PCS frequency bands
- Identifies individual carriers and towers using 3G and 4G/LTE technology
- Provides details on location, tower ID, distance to tower, and more
- Pinpoints active carriers and geo maps any active cells within range
- Captures all scan results; including time stamps for A/B comparisons
- Links via Bluetooth to iOS or Android devices with the Cell LinQ app
- Scans all carriers regardless of the carrier phone running the app

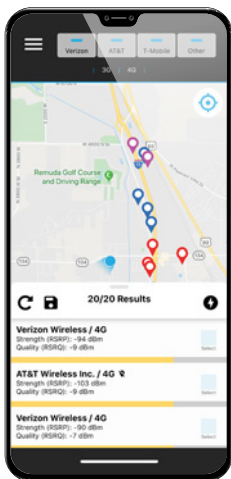
⚠️ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

About

The **Cell LinQ Meter + App** is a powerful cellular survey tool engineered with the needs of the professional integrator, installer, or designer of passive DAS, M2M, cellular networking or IoT systems in mind. A sophisticated, yet easy-to use device, the Cell LinQ meter links performs its site surveys by linking to the Cell LinQ app via Bluetooth on either iOS or Android smartphones or cellular-connected tablets. With its ability to conduct mobile surveys, network analysis, and data collection in the field, the Cell LinQ helps accelerate site-design time, reduce on-site visits, demonstrate ROI to clients, and much more.

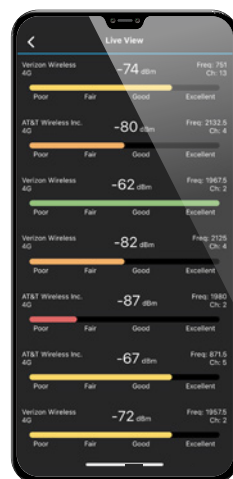


Signal Detail



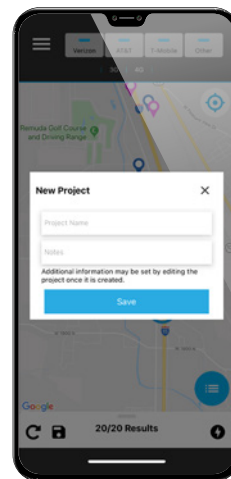
Select any tower to display signal quality, carrier, band, DL frequency, and more.

Live Mode



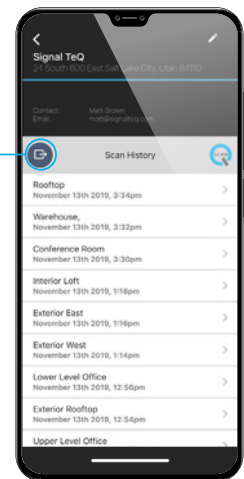
Signal strength will calibrate in real time as you fine tune during the install process.

Project Management



Customize, organize, and save all of your installs to the cloud for safekeeping.

Project Export



Easily export your system design projects as .csv files to import for use in Excel.

910055 - Cell LinQ Pro Meter with Hard Case with Accessories



Cell LinQ Pro Meter



External Antenna



2' Extension Cable RG58 955802'



- N-Female - F-Female
- SMA-Male - N-Male
- N-Male - N-Male
- SMA - N-Female



SMA -N-Male 3' Jumper



Mini USB Charger and Power Cord



Hard Case

910054 - Cell LinQ Pro Meter with Soft Case



Cell LinQ Pro Meter



External Antenna



Charging Cable



Soft Case

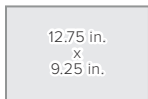
- **Battery Cell Type:** Polymer lithium-ion
- **Battery Weight:** Approx 46g
- **Number of Batteries:** 1
- **Number of Lithium-ion Cells:** single cell
- **Lithium Battery Energy Content:** 2500mAh
- **Is this a rechargeable Battery:** yes

Detailed Specifications

	Pro Signal Meter
SKU	910055/910054
Antenna connector	SMA
Antenna impedance	50 ohms
Dimensions	72 mm X 144 mm X 18 mm
Weight	6.2 oz
Maximum Input Power	24dBm
Sensitivity (LTE B2)	-103.0dBm
Sensitivity (LTE B4)	-102.5dBm
Sensitivity (LTE B5)	-103.0dBm
Sensitivity (LTE B12)	-103.0dBm
Sensitivity (LTE B13)	-103.0dBm
Charging Input	1.5A @ 5V

Hard Case Dimensions

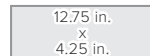
12.75 L x 4.25 W x 9.25 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

⚠ 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

ASSEMBLED IN THE USA



Enterprise 1300

SKU: 460149

FEATURES

- Three outdoor antenna ports to target multiple carrier towers.
- Wired or LTE WilsonPro Cloud access for remote functionality.
- Up to 26 dBm in uplink power and 17 dBm in downlink power.
- XDR technology to virtually eliminate shutdown or signal loss.
- 4.3-inch LCD touchscreen for an enhanced user-experience.
- Works with ALL phones and cellular devices on ALL carriers.

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

Kit Includes



Enterprise 1300
or Enterprise 1300R
Amplifier



Outside
Directional Antenna
(314411)



Inside Dome
Antenna
(304412)



Lightning Surge
Protector
(859902)



2 ft. Wilson400
Cable
(952402)



100ft Low-Loss
Wilson400 Cable x2
(952300)



RACK MOUNT OPTION:



Enterprise
1300R
SKU: 460150

About

The WilsonPro **Enterprise 1300/1300R** is a commercial-grade, in-building cellular amplifier that represents the latest in cell signal boosting technology—including a revolutionary industry-first, three outdoor-antenna-configuration. Depending on cell tower locations, using up to three outdoor antennas (each dedicated to a specific frequency band to collectively amplify signals from multiple towers) helps maximize coverage in commercial spaces up to 40,000 sq. ft.*

Based on user need or preference, the Enterprise 1300/1300R can also utilize “common mode” as a default; using only a single outdoor (donor) antenna and a single port to receive cell signal.

With wired or LTE access (using the built-in cellular modem) to the WilsonPro Cloud for remote functionality, the Enterprise 1300/1300R provides integrators and building managers with the capability to remotely manage, monitor, and adjust their amplifier, as well as receive real-time updates on a smartphone or tablet. Immediate notification of issues, such as system failure, oscillation, or change in signal strength is also provided via text or email.

The Enterprise 1300/1300R generates up to 26 dBm in uplink power—enabling it to reach towers at much greater distances. With up to 17 dBm in downlink power, it’s also one of the most powerful amplifiers in its price range. The “R” model name signifies its rack-mount option.

This amplifier includes a 3-year manufacturer’s warranty and a 30-day money-back guarantee.

*Depending on outside signal conditions.

Specifications

MODEL NUMBER	460149* • 460249* • 460359* • 460459* 460150* • 460250* • 460350* • 460450*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	26 dBm	
MAX DOWNLINK POWER	17 dBm	
IMPEDANCE	50 Ohm	
POWER	120 V AC, 60 Hz, 60 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	19 x 12 x 2.5 • 17.5 x 12 x 3.75 in	
AMPLIFIER WEIGHT	16.515 lbs • 9.66 lbs	

Detailed Specifications

1300 / 1300R					
SKU	460149 / 460150				
Model Number	460149 / 460150				
FCC ID	PWO460049 / PWO460049 / PWO460050 / PWO460050				
Connectors	N-Connectors				
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
	23.9	23.9	25.1	23.7	26.7
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
	16.7	16.8	16.9	16.8	16.8
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	120V AC 0.5A				

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.

ASSEMBLED IN THE USA



Kit Variations

Note: Custom kits do not include antennas, lightning surge protectors, etc. Custom kits only include the amplifier, a power cord, and the noted spool of cable.



SKU	460149 - STANDARD KIT	460249 - CUSTOM KIT	460349 - CUSTOM KIT	460449 - CUSTOM KIT
KIT CONTENTS	2' & 100' (qty: 2) sections of connectorized Willson400 cable	250' Wilson400 Spool	500' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	27.5" / 18" / 6.5" / 19 lbs SHIPS IN ONE BOX	19" / 12" / 2.5" / 16.615 lbs	19" / 12" / 2.5" / 16.615 lbs	19" / 12" / 2.5" / 16.615 lbs
PKG 2 of 2 L/W/H/WEIGHT		15" / 15" / 6" / 16.60 lbs	14.5" / 15.5" / 9" / 36.86 lbs	14.25" / 14.25" / 13" / 53 lbs



SKU	460150 - STANDARD KIT	460250 - CUSTOM KIT	460350 - CUSTOM KIT	460450 - CUSTOM KIT
KIT CONTENTS	2' & 100' (qty: 2) sections of connectorized Willson400 cable	500' Wilson400 Spool	1000' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	27.5" / 18" / 6.5" / 15.5 lbs SHIPS IN ONE BOX	17.5" / 12" / 3.75" / 9.760 lbs	17.5" / 12" / 3.75" / 9.760 lbs	17.5" / 12" / 3.75" / 9.760 lbs
PKG 2 of 2 L/W/H/WEIGHT		15" / 15" / 6" / 16.60 lbs	14.5" / 15.5" / 9" / 36.86 lbs	14.25" / 14.25" / 13" / 53 lbs

Support



3 Year Warranty from Purchase

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 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	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	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz
No. Tones					
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	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
No. Tones					
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

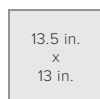
*⚠️ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Package Dimensions

13 L x 19.5 W x 13.5 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

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

Support



3 Year Warranty from Purchase

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	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 Maximum	29.9 34.4	28.6 34.4	38.7 40.3	82.6 85.0	81.8 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

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

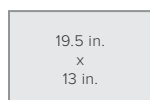
309911-75F*

- 3 Wall Mount Panel Antenna
- 1 75 Ohm 4-Way Splitter
- 1 2ft. RG11 Cable
- 3 50ft. RG11 Cable

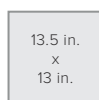
*  **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

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.

Support



3 Year Warranty from Purchase

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
	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
	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 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.

Support



3 Year Warranty from Purchase

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.

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	

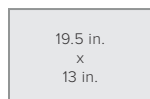
Detailed Specifications

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 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 Maximum	29.9 34.4	28.6 34.4	38.7 40.3	82.6 85.0	81.8 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 11.57	700MHz Band13 10.41	800MHz 9.4	2100MHz 11.3	1900MHz 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					

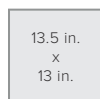
Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized 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

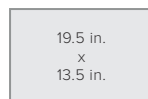
19.25 L x 13 W x 13.25 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

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

Support



3 Year Warranty from Purchase

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.

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 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	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	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz
No. Tones					
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	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
No. Tones					
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

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.

Support



3 Year Warranty from Purchase

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.

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

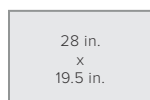
	1000R			1000	
Model Number	460237			460236	
FCC ID	PWO460037			PWO460036	
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	700MHz Band12/17 57.6	700MHz Band13 58.0	800MHz 59.2	1700/2100MHz 65.7	1900MHz 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	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz
No. Tones					
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	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
No. Tones					
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.

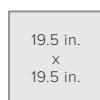
The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power 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



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

MASTER CARTON: None

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.

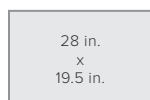


WilsonPro Cloud provides:

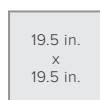
- Customizable email and text alert notifications, including:
 - Amplifier goes offline
 - Oscillation occurs
 - Weak or no signal detected
 - Performance and signal level reporting and history
 - Report generation
- Donor antenna "tuning" tool
- Organization of monitored amplifiers by customer and location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

Package Dimensions

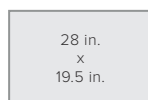
19.5 L x 19.5 H x 28 W



FRONT



SIDE



TOP/BOTTOM



WEIGHT

MASTER CARTON: None

Support



3 Year Warranty from Purchase

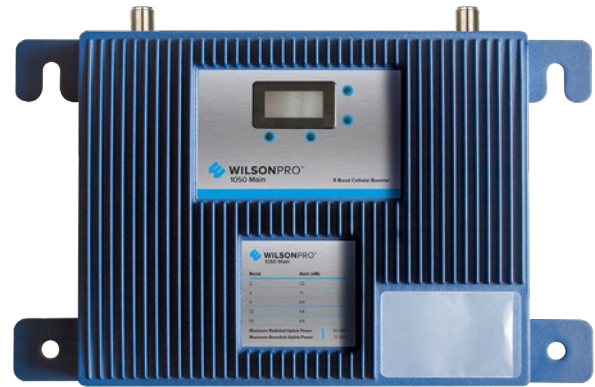
Pro 1050

SKU: 460230

FEATURES

- Industry's first FCC & carrier approved "inline" cellular amplifier system
- Consists of "main" amplifier and "inline" amplifier
- "Inline" amplifier 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 AMPLIFIER:



Not sold separately

Kit Includes



WilsonPro Pro 1050 Two-Part Amplifier System



Outside Directional Antenna (314411)



Inside Dome Antenna (304412)



Lightning Surge Protector (859902)



100' Wilson 400 Cable x2 (952300)



75' Wilson 400 Cable (952375)



2' Wilson 400 Cable (952302)

About

The **WilsonPro Pro 1050** passive distributed antenna system is the first FCC and carrier-approved "in-line" amplifier 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 amplifier. The inline amplifier 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 amplifiers, the WilsonPro Pro 1050 features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

MODEL NUMBER	460230* • 460330* • 460430*	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	21 dBm	
MAX DOWNLINK POWER	15 dBm	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	3.75 x 11.5 x 18 in	
AMPLIFIER WEIGHT	9.280 lbs (In-line 1.120 lbs)	

Detailed Specifications

Pro 1050					
SKU	460230				
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.

ASSEMBLED IN THE USA



Note: Custom kits do not include antennas, lightning surge protectors, etc. Custom kits only include the amplifier, a power cord, and the noted spool of cable.

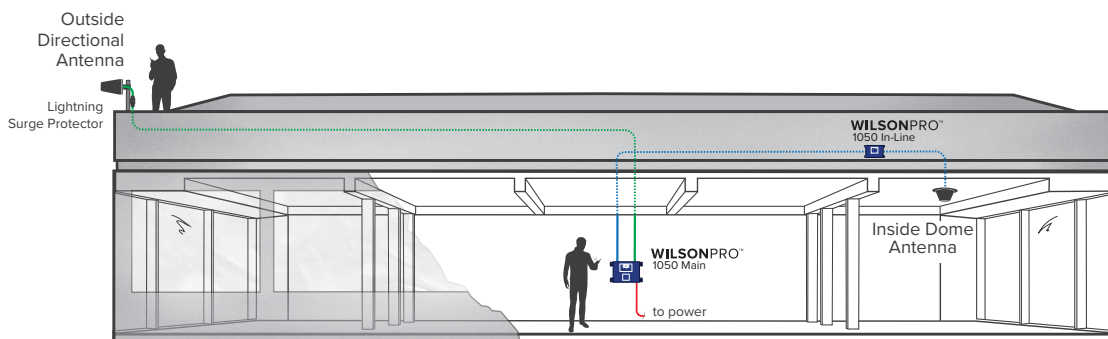
Kit Variations



PRO 1050

SKU	460230 - STANDARD KIT	460330 - CUSTOM KIT	460430 - CUSTOM KIT
KIT CONTENTS	2' Black Low Loss Wilson400 Cable 75' Black Low Loss Wilson400 Cable 100' Black Low Loss Wilson400 Cable x2	500' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	28" / 19.5" / 19.5" / 44.82 lbs SHIPS IN ONE BOX	27" / 18" / 6" / 15.290 lbs	27" / 18" / 6" / 15.290 lbs
PKG 2 of 2 L/W/H/WEIGHT		14.5" / 15.5" / 9" / 36.86 lbs	14.25" / 14.25" / 13" / 53 lbs

Install Diagram



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.

Kit Includes



WilsonPro Pro 1050
Two-Part Booster
System



Wide Band Directional
Antenna + 75'
Wilson 400 Cable



Dome Antenna +
100' Wilson
400 Cable



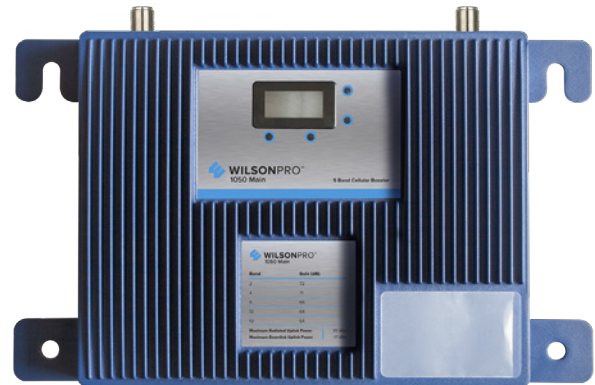
Lightning Surge
Protector



100' Wilson 400
Cable



2' Wilson 400
Cable



INLINE BOOSTER:



Not sold separately

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

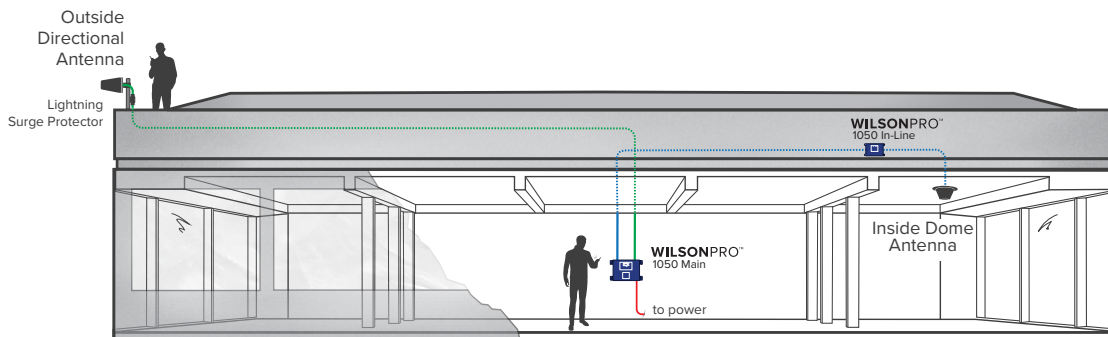
MODEL NUMBER	460230*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	3.75 x 11.5 x 18 in	
BOOSTER WEIGHT	9.280 lbs (In-line 1.120 lbs)	

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



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

MASTER CARTON: None

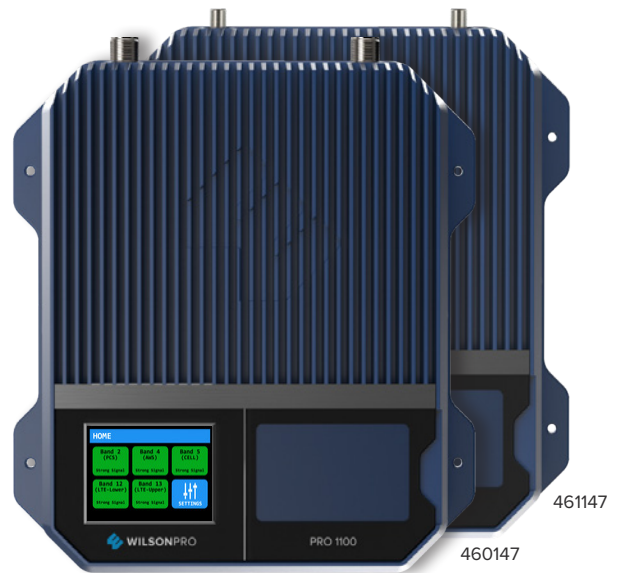
Pro 1100

SKU: 460147 • 461147

FEATURES

- Boosts cellular signal in buildings up to 35,000 sq. ft
- FCC-approved and works with all major U.S. mobile carrier networks.
- Maximum uplink power of 25 dBm, downlink power up to 15 dBm.
- Built-in XDR technology to prevent overload/shutdown from signal.
- Onboard software to auto adjust gain to current signal environment.
- Ability to turn off specific frequency bands.
- Color LCD touch screen for greater control and usability of Pro 1100.
- Modern, intuitive amplifier design for ease of wall-mount installation.
- Choice of 50 Ohm “N” or 75 Ohm “F” connectors per cable preference.

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



Kit Includes

460147 50 Ohm Kit	Pro 1100 Amplifier	Outside Directional Antenna 314411	Inside Dome Antenna 304412	Lightning Surge Protector 859902	2ft Low-Loss Wilson400 Cable 952302	60ft Low-Loss Wilson400 Cable 952360	75ft Low-Loss Wilson400 Cable 952375	AC Power Supply 850023
461147 75 Ohm Kit	Pro 1100 Amplifier	Outside Directional Antenna 314475	Inside Dome Antenna 304419	Lightning Surge Protector 859902	2ft Low-Loss RG11 Cable 951127	50ft Low-Loss RG11 Cable 951150	75ft Low-Loss RG11 Cable 951175	AC Power Supply 850023

About

The **WilsonPro Pro 1100** is part of the next generation professional-grade cell signal amplification technology for Wilson Electronics. The Pro 1100 is a surprisingly powerful cell phone signal amplifier—capable of transmitting a 4dB stronger cellular signal back to the tower for always reliable cellular connectivity. This is twice the power of our competition. This added capacity makes the Pro 1100 ideal for large homes, medical offices, commercial buildings, and retail spaces up to 35,000 square feet in coverage area.

Designed to reach far away cell towers, the WilsonPro Pro 1100’s maximum uplink power provides 25dBm of available output. The Pro 1100 features a modern, intuitive design for easier antenna connection—placing each indoor and outdoor antenna port on top of the amplifier itself. The exposed mounting flange found on the amplifier unit’s corners make for simple and clean wall-mount installation.

Specifications

MODEL NUMBER	460147* / 461147*
FREQUENCIES	Band 12/17 700 MHz Band 13 700 MHz Band 5 850 MHz Band 4 1700/2100 MHz Band 25 1900 MHz
MAX GAIN	70 dB
MAX UPLINK POWER	25 dBm
MAX DOWNLINK POWER	15 dBm
IMPEDANCE	50 Ohms / 75 Ohms
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W
CONNECTORS	N-Female / F-Female
AMPLIFIER DIMENSIONS	9 x 10 x 2 in
AMPLIFIER WEIGHT	6.28 lbs / 6.22 lbs

Detailed Specifications

Pro 1100					
SKU	460147 / 461147				
Model Number	460047 / 461047				
FCC ID	PWO460047				
IC ID	4726A-460047				
Connectors	N-Female / F-Female				
Antenna Impedance	50 Ohms / 75 Ohms				
Frequency	698-716 MHz, 729-746 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
	24.0	24.0	25.0	25.0	25.0
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
	15.1	15.1	15.3	15.2	15.2
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	120V AC 0.5A				

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

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This device complies with Part 15 of FCC rules. Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by weBoost could void the authority to operate this equipment.

ASSEMBLED IN THE USA



Kit Variations

Note: Custom kits do not include antennas, lightning surge protectors, etc. Custom kits only include the amplifier, a power cord, and the noted spool of cable.



Pro 1100
50 Ohm

SKU	460147 - STANDARD KIT	460247 - CUSTOM KIT	460347 - CUSTOM KIT	460447 - CUSTOM KIT
KIT CONTENTS	2' Black Low Loss Wilson400 Cable 60' Black Low Loss Wilson400 Cables 75' Black Low Loss Wilson400 Cable	250' Wilson400 Spool	500' Wilson400 Spool	500' Wilson Plenum Spool
PKG 1 of 2 L/W/H/WEIGHT	19" / 13" / 13" / 19.88 lbs SHIPS IN ONE BOX	14" / 11" / 3" / 7.825 lbs	14" / 11" / 3" / 7.825 lbs	14" / 11" / 3" / 7.825 lbs
PKG 2 of 2 L/W/H/WEIGHT		15" / 15" / 6" / 16.60 lbs	14.5" / 15.5" / 9" / 36.86 lbs	14.25" / 14.25" / 13" / 53 lbs



Pro 1100
75 Ohm

SKU	461147 - STANDARD KIT	461247 - CUSTOM KIT	461347 - CUSTOM KIT
KIT CONTENTS	2' Black RG11 Cable 50' Black RG11 Cable 75' Black RG11 Cable	250' Wilson400 Spool	500' Wilson400 Spool
PKG 1 of 2 L/W/H/WEIGHT	19" / 13" / 13" / 19.79 lbs SHIPS IN ONE BOX	14" / 11" / 3" / 7.650 lbs	14" / 11" / 3" / 7.650 lbs
PKG 2 of 2 L/W/H/WEIGHT		15" / 15" / 6" / 15.40 lbs	15" / 15" / 11" / 28 lbs

Support



3 Year Warranty from Purchase

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

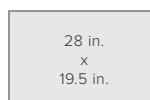
	4000			4000R	
Model Number	460023			460231	
FCC ID	PWO460023			PWO460031	
Connectors	N-Female				
Antenna Impedance	50 Ohms\				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1990 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	700MHz Band12/17 57.8	700MHz Band13 57.8	800MHz 59.8	1700/2100MHz 62.5	1900MHz 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.

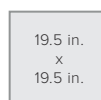
The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power 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

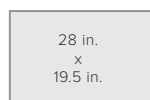
460231 / 460223 - 19.5 L x 19.5 H x 28 W



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

MASTER CARTON: TBD

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	1900 MHz	
	13.4	12.3	
20 dB Bandwidth (MHz)	800 MHz	1900 MHz	
	Typical	41.7	84.1
	Maximum	43.3	88.9
Power output for single cell phone (dBm)	800 MHz	1900 MHz	
	Uplink	23.8	22.3
	Downlink	-6.05	-6.3
Power output for multiple received channels (Uplink) dBm	800 MHz	1900 MHz	
	No. Tones		
	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	800 MHz	1900 MHz	
	No. Tones		
	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)

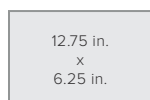
***⚠️WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

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.

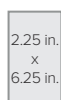
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Package Dimensions

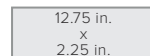
10.5 L x 2 W x 5.25 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

MASTER CARTON: TBD

Pro Signal 4G

SKU: 460119

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.



NOW WITH PASSIVE RF BYPASS

***⚠️ 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	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz	
No. Tones						
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*

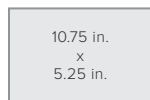
- 1 Pro Signal 4G
- 1 DC Hardwire Power Supply 6V/2A (859923)
- 1 Mini-Magnet Antenna (301126)
- 1 3' RG174 Cable with SMA Male Connectors (951151)

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

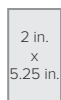
Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized 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

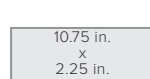
10.5 L x 2 W x 5.25 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

Support



3 Year Warranty from Purchase

MASTER CARTON: TBD

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

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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



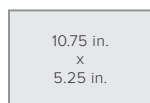
Signal Meter Kit

460218*

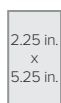
- 1 RF Signal Meter
- 1 3ft RG174 cable (SMA Male to SMA Male)
- 1 2ft RG58 cable (N Male to SMA Male)
- 1 5V/3A DC/DC Power Supply
- 1 5V/2A AC/DC Power Supply
- 1 N-Female to N-Female Barrel Connector
- 1 N-Male to F-Female Adapter

Package Dimensions

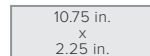
10.75 L x 2.25 W x 5.25 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

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

Support



3 Year Warranty from Purchase

*⚠️ **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

Pro Signal 4G Security Kit

SKU: 461119

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



NOW WITH PASSIVE RF BYPASS

***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.

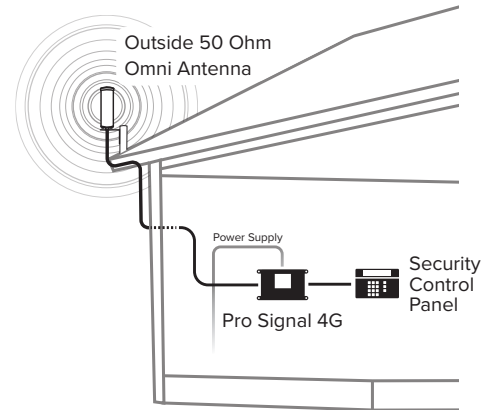
Specifications

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	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz	
No. Tones						
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



MASTER CARTON: TBD

Support



3 Year Warranty from Purchase