

Wilson Electronics

AG Pro 75™

Adjustable Gain 800/1900MHz Smart Technology Signal Booster • 801280

Product Name

AG Pro 75™

Anticipated Pricing

Suggested Retail Price \$999.95.

Anticipated Availability

December 2010

Product Category

Wireless communications

Product Overview

The AG Pro 75 is a dual-band, installer-friendly booster designed to provide a strong cellular signal inside a building. The model is Wilson Electronics' first cellular signal booster to feature an adjustable gain control that allows the installer to optimize the unit's gain to match the requirements of the building in which it is deployed. The adjustable gain feature also simplifies installation by making antenna placement less critical.

The AG Pro 75 is the highest gain signal booster Wilson has released to date. The unit delivers a maximum gain of 75dB at 1900 MHz and 70dB at 800 MHz. The product includes Wilson's patented oscillation and cell site overload protection, and proximity detection technologies to prevent interference on the cellular network. It works with all cellular devices on all North American service provider networks (except Nextel/iDEN).

Features

- Adjustable gain control for optimal gain at almost any location
- Bidirectional amplifier boosts signal to and from cell site
- FCC type accepted, Industry Canada certificated
- Configurable with a variety of Wilson cellular antennas to fit virtually any building installation

User Benefits

- Boosts both incoming and outgoing signals
- Significantly extends connection range for voice and data
- Greatly reduces dropped calls
- Strong, reliable signal even in weak signal areas
- Faster data transfers (2G & 3G networks)
- Compatible with all North American cellular networks (except Nextel/iDEN)

Building Installation Market

The increasing adoption of smart phones, the NIMBY syndrome that limits construction of new cell towers, the advent of social media, and the current rise in telecommuting have combined to produce more voice and data traffic on increasingly strained wireless networks. These same forces are driving demand for strong, reliable cellular signals in homes and in small and medium office building complexes. Many business organizations find that employees avoid wireline phone systems in favor of their personal or company-issued smart cellular devices.

According to the Custom Electronic Design and Installation Association (CEDIA), the leading authority in the design and installation of home electronic solutions, the record housing market slump has convinced many homeowners to forgo buying newer homes. Instead they're opting to retrofit their current houses with electronic upgrades, including installation of cellular signal boosters in environments where terrain, building materials, or distant towers are causing weak signal. With nearly 1-in-4 U.S. residents now choosing to drop in-home wireline phone service altogether, the need for a reliable cellular signal in the living space has never been more evident.

Competitive Position

Wilson Electronics has been in the business of improving radio frequency (RF) signals for more than 40 years. The company's very first products were commercial communications. For the past 10 years Wilson has exclusively designed and manufactured cell phone signal boosters and related components.

Wilson has sold more cellular signal boosters than any other manufacturer, with hundreds of thousands of satisfied users. The company continues to sell more units and greater dollar volume than any other in its market, outselling its nearest competitor by nearly a 3-to-1 margin.

Wilson also leads in technology. The company's engineers have been awarded 10 U.S. patents related to the amplification of cellular signals, including three during 2010 alone. Wilson continues to bring cutting-edge signal booster products to market, and a full product development pipeline assures that the company will continue to do so.

Press Quotes for Wilson Electronics

“No matter what carrier you’re on, you’ve likely encountered a cell phone dead zone. This is especially a burden while on the road if you’re lost in a rural area and have no way of calling for directions or accessing your GPS. Luckily, there’s a solution: The Wilson Sleek all-in-one cell phone signal booster. This handy gadget resembles a hands-free car cradle, but offers extended calling range and signal strength for your phone.”

- Ginny Mies, **PC World**

“Every now and then you come across a product that promises to do things exceptionally well for a lower price than you would otherwise expect and... it actually exceeds your expectations. That’s the case with the Sleek cell phone booster for Wilson Electronics.”

- Dan Cohen, **Gear Diary**

“Simply put, the Sleek works. And it works well. It can (and did) increase a cell phone’s received and transmitted signals by 10 to 20 times. That can mean the difference between a mediocre signal and a very strong signal, which means fewer dropped calls.”

- John Gordon, **Practical Travel Gear**

Wilson Awards

- 2010 - New Product Innovation of the Year Award - Frost & Sullivan
- 2010 - Andrew Seybold Choice Award - Andrew Seybold Inc
- 2010 - Mark of Excellence Award - Consumer Electronics Association
- 2009 - Best Home Networking Device - CE Pro BEST Awards
- 2008 - Emerging Technology Award - Cellular Telephone Industry Association (CTIA)

About Wilson Electronics

Wilson Electronics, Inc., a leader in the wireless communications industry for more than 40 years, designs and manufactures a wide variety of cell phone signal boosters, antennas and related components that significantly improve cellular communication in mobile, indoor, and machine-to-machine (M2M) applications. All Wilson products are engineered, assembled and tested in the company’s U.S.-based headquarters. Wilson boosters fully comply with FCC regulations for cellular devices and are FCC type accepted and Industry Canada certificated. Wilson Electronics has developed and patented microprocessor-controlled signal booster technology, which protects cell sites by preventing network interference due to oscillation or site overload. For more information, visit www.wilsonelectronics.com.



Product Specifications

Model Number	801280	
Antenna Connectors	N female connectors	
Antenna Impedance	50 ohms	
Dimensions	5.7 x 4.2 x 1.5 inch (14.0 x 10.8 x 3.9 cm)	
Weight	0.48 lbs (0.22 kg)	
Frequency	824-894 MHz / 1850-1990 MHz	
Passband Gain (nominal)	70 dB at 800 MHz & 75 dB at 1900 MHz	
Power output (uplink)	800 MHz	1900 MHz
Power output for single cell phone (uplink)	30.8 dBm	30.5 dBm
Power output for single received channel (downlink)	26.0 dBm	25.2 dBm
Noise Figure (typical)	3.5 dB nominal	
Isolation	>90 dB	
Power Requirements (using supplied adapter)	110-240 V AC, 50-60 Hz, 8 W	

*ALL INFORMATION AND SPECIFICATIONS SUBJECT TO CHANGE