

# 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](http://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

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

## 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	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.

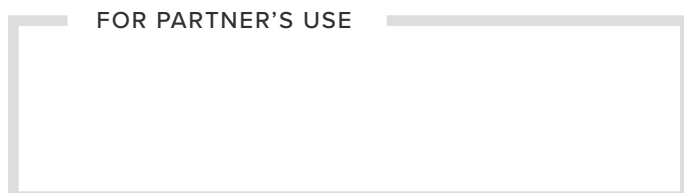
## Package Dimensions

19.25 L x 13 W x 13.25 H

19.5 in. x 13 in.	13.5 in. x 13 in.	19.5 in. x 13.5 in.
<b>FRONT</b>	<b>SIDE</b>	<b>TOP/BOTTOM</b>

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

FOR PARTNER'S USE



460127\_Pro70Plus-75Ohm\_SS\_US\_Rev03\_100518

## Support



3 Year Warranty from Purchase

## 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

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## UPC

PRO 70 PLUS (75 OHM)



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PRO 70 PLUS (75 OHM)  
DIRECTIONAL/DOME KIT



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