

# 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



## **Kit Includes**





(314411)

Antenna

(311135)

Lightning Surge Protector (859902)



(952302)





75ft Low-Loss Wilson400 Cable (952375)

Power Supply (859900)

## **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	12V/3A				
CONNECTORS	N-Female				
BOOSTER DIMENSIONS	1.5 x 6 x 8.75 in				
BOOSTER WEIGHT	2.78 lbs				

## About

(50 Ohm)

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.

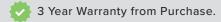
Like all Wilson boosters, the Pro 70 Plus features cell site protections that prevent any possibility of interference with cell towers. The Pro 70 Plus, and all WilsonPro models, are sold only through trained, certified custom technology integrators and are not available via any online or retail source. Wilson Electronics quality and our industry-leading three year warranty make the Pro 70 Plus the clear choice for the professional technology integrator.



#### **Detailed Specifications**

	Pro 70 Plus" 50 Ohm						
Model Number			463027				
FCC ID			PWO460027				
IC ID			4726A-460027				
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	<b>1700/2100MHz</b> 60.7	<b>1900MHz</b> 60.7		
20 dB Bandwidth (MHz)	700MHz Band12/17	700MHz Band13	800MHz	1700/2100MHz	1900MHz		
Typical	29.9	28.6	38.7	82.6	81.8		
Maximum	34.4	34.4	40.3	85.0	85.9		
Power output for single cell phone (Uplink) dBm	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz		
	20.4	20.82	25.16	23.0	21.42		
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz		
	11.57	10.41	9.4	11.3	9.47		
Power output for multiple received channels (Uplink) dBm No. Tones	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz		
2	18.0	17.6	24.9	20.0	18.6		
3	14.5	14.0	21.4	16.4	15.1		
4	12.0	11.5	18.9	13.9	12.6		
5	10.0	9.6	16.9	12.0	10.7		
6	8.4	8.0	15.3	10.4	9.1		
Power output for multiple received channels (Downlinklink) 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	4.10	4.00	5.70	3.10		
5	1.60	-0.40	2.00	3.80	1.10		
6							
Noise Figure	0.00 -1.90 0.40 2.20 -0.40						
Isolation							
	> 90 dB 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 use for five minutes, it will reduce gain until a signal is detected. If a detected signal is to high in a frequency band, or if the Signal Booster 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 F(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.



PRO 70 PLUS (50 OHM)



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UPC

