

# 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](http://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

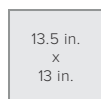
\*  **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Package Dimensions

13 L x 19.5 W x 13.5 H



FRONT



SIDE



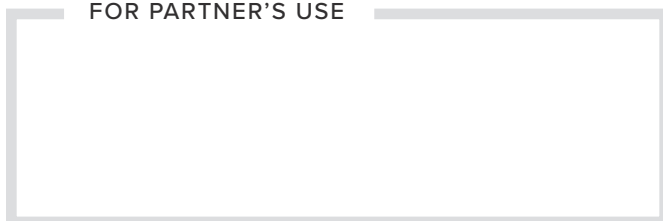
TOP/BOTTOM



WEIGHT

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

FOR PARTNER'S USE



465134\_Pro70-50Ohm\_SS\_US\_Rev04\_100518

## Support



3 Year Warranty from Purchase

Website: [www.wilsonpro.com/support](http://www.wilsonpro.com/support)

Phone: +1 866 294 1660

Monday to Saturday

## UPC

