

# 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](http://www.P65Warnings.ca.gov).

## Kit Includes



WilsonPro Pro 1050 Two-Part Amplifier System



Outside Directional Antenna (314411)



Inside Dome Antenna (304412)



Lightning Surge Protector (859902)



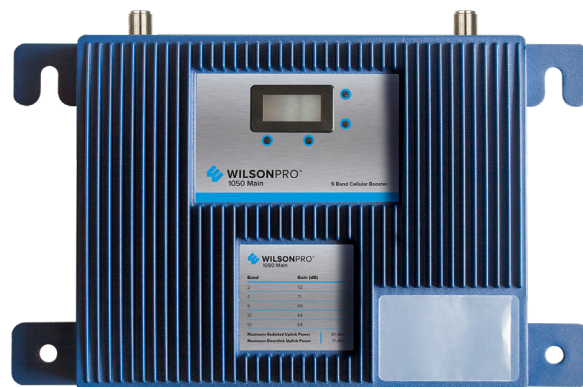
100' Wilson 400 Cable x2 (952300)



75' Wilson 400 Cable (952375)



2' Wilson 400 Cable (952302)



## INLINE AMPLIFIER:



Not sold separately

## 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.

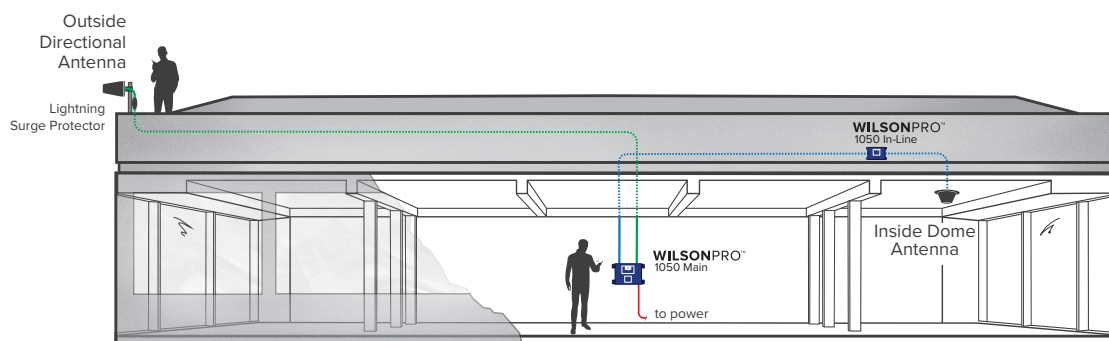
## Kit Variations



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



FOR PARTNER'S USE  
Cell Boosters Nova Scotia  
429 Cobequid Rd, Lower Sackville, NS. B4C 4E6  
Phone 902-932-3166  
Email [info@cellboosters-ns.ca](mailto:info@cellboosters-ns.ca)  
<https://enterprise.cellboosters-ns.ca>  
<https://enterprise.cellboosters-ns.ca>

## Support



3 Year Warranty from Purchase

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

**Phone:** +1 866 294 1660  
Monday to Saturday