

SHIELD ADVANCED CELL TECHNOLOGY

Poor cell phone reception?
 Improve signal strength and call quality inside your :
Home Office ~ Business Premises ~ Vehicle ~ Boat



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A revolutionary **cell phone signal booster** for demanding professional coverage applications, the Pro-Pack Series is a Bi-Directional Amplifier (BDA) System which captures and amplifies the cell signal to extend a cell zone up to 10,000 square feet. The Pro-Pack Series is designed for the professional installer and is available for either the 800 MHz Cellular or 1900 MHz PCS band. You must buy the correct model to match the frequency – 800MHz or 1900Mhz.

Benefits include:

- PCS model improves all 6 PCS sub-bands
- CEL model improves both Cellular sub-bands
- Increases your indoor cell signal coverage – **up to 10,000 sq feet**
- Decreases dropped or missed calls
- Stay wireless - no cradle or connections to your phone
- Extends phone battery life (uses less power when signal is stronger)
- Works with most phones and carriers (maintains network integrity)
- Manufactured in the USA with the highest quality control – (individually-calibrated)

The Pro-Pack Series includes the amplifier base unit, power supply, high gain signal and base unit antennas, and mounting hardware. Additional professional accessories are available.

DUAL BAND PRODUCT SPECIFICATIONS

At 1900MHz (PCS)

	Uplink	Downlink
Frequency	1850-1910Mhz	1930-1990Mhz
PCS Bands	ALL: A,D,B,E,F & C	
Network Format	CDMA, GSM, TDMA, GPRS, EDGE, 1xRTT, EV-DO,HSDPA	
System Gain	66dB	69dB
Composite Output Power Limit – EIRP	32dBm	15dBm
Noise Figure	5dB	5dB
Third Order Intercept	34dBm	50dBm
Antenna Signal	13dBi Panel; F type female,	
Antenna Base Unit	7dBi ½ Patch; TNC male	
Signal Delay	140ns	130ns
Cable Loss	Approximately 1dB/10ft' (3000MHz RG6)	

At 800 MHz (CEL)

	Uplink	Downlink
Frequency –	824-849MHz	869-894MHz
PCS Bands	ALL: A' B' A'&B'	
Network Format	CDMA, GSM, TDMA, AMPS, GPRS, EDGE, 1xRTT, EV-DO, HSDPA	
System Gain	60dB	63dB
Composite Output Power Limit – EIRP	28dBm	13dBm
Noise Figure	5dB	5dB
Third Order Intercept	43dBm	32dBm
Antenna Signal	3dBi Colinear; F type female	
Antenna Base Unit	2dBi ½ wave dipole; TNC male	
Signal Delay	230ns	210ns
Cable Loss	6dB (50 feet of 75ohm, 3000MHz RG6)	

Both PCS & CEL

Base Unit	RF connectors F type female and TNC female	
Wall Supply	Input 100	200VAC 60Hz
Power Consumption	2W standby, 5.5W max signal	
System Certifications	UL, FCC Parts 15 & 24 (PCS), FCC Parts 15 & 22 (CEL), Industry Canada	
Base Unit size and	5" x 7" x 2" weight: 12 oz.	
Operating Conditions	Indoors Use Only 5o to 40oC (40 to 105oF)	
Coverage	(open areas) 4 5 signal bars at roof antenna; 60' diameter at 3 4 bars inside; over 3,000 sq. ft circle	

Handles all PCS or CEL protocols and includes multiple patent pending technologies to provide low-cost coverage while continually adapting to signals to prevent interference and remain transparent to the wireless network. Provides an indicator if the antennae are positioned improperly, but will NOT suffer damage or interfere with the Carrier Network.