



By



## zBoost® CI YX645 Designed For Professional Installers

A revolutionary **cell phone signal booster** for demanding professional coverage applications, the zBoost designed YX645, for custom installers, 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 YX645 is designed for the professional installer and is available for the 800 MHz Cellular, the 1900 MHz PCS band or Dual Band (both 800 MHz and 1900 MHz bands).

### Benefits include:

- **zBoost YX645-PCS-CEL(shown) model improves all 6 PCS sub-bands and both Cellular sub-bands**
- Increases indoor cell signal coverage – **up to 10,000 sq feet**
- Decreases dropped or missed calls
- Extends phone battery life (uses less power when signal is stronger)
- Works with phones and carriers using 800 and 1900 MHz (not Nextel)
- Maintains network integrity using patented technologies



The zBoost CI YX645 includes the amplifier base unit, power supply, high gain signal and base unit antennas, signal combiner and mounting hardware. Additional professional accessories are available.

### PRODUCT SPECIFICATIONS

#### PCS Frequency

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Frequency                           | 1850-1990 MHz                                      |
| PCS Bands                           | ALL: A,D,B,E,F & C                                 |
| Network Format                      | CDMA, GSM, TDMA, AMPS, GPRS, EDGE, EV-DO, HSPA, 3G |
| System Gain                         | 75 dB                                              |
| Composite Output Power Limit - EiRP | 30 dBm                                             |
| Antenna Signal                      | 13 dBi Panel; F-type female                        |
| Antenna – Base Unit                 | 9 dBi Patch; TNC male                              |
| Cable Loss                          | 3000 MHz RG-6, approximately 1 dB/10 ft.           |

#### CEL Frequency

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Frequency                           | 824-894 MHz                                        |
| PCS Bands                           | ALL: A, B, A' and B'                               |
| Network Format                      | CDMA, GSM, TDMA, AMPS, GPRS, EDGE, EV-DO, HSPA, 3G |
| System Gain                         | 70 Db                                              |
| Composite Output Power Limit - EiRP | 30 dBm                                             |
| Antenna Signal                      | 8 dBi Panel; F-type female                         |
| Antenna – Base Unit                 | 6 dBi Panel; TNC male                              |
| Cable Loss                          | 3000 MHz RG-6, approximately 0.6 dB/10 ft.         |

#### Both PCS and CEL Frequencies

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Base Unit RF connectors    | F-type female and TNC female                                                                      |
| Wall Supply Input          | 100-120 VAC 60Hz, 240 VAC also available                                                          |
| 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 weight  | 5" x 7" x 1.375" - 12 oz.                                                                         |
| Base Unit and Power Supply | Indoors Use Only, 5° to 40°C (40 to 105 °F)                                                       |
| Coverage (open areas)      | 4-5 signal bars at roof antenna; 120' radius at 90° width;<br>3-4 bars inside; over 10,000 sq. ft |

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 antennas are positioned improperly, but will NOT suffer damage or interfere with the Carrier Network.