

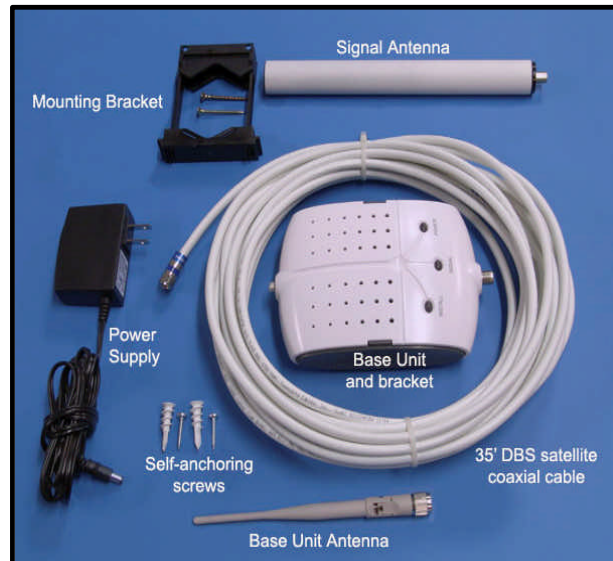
YX500-CEL Specifications

Wireless Extenders has developed a revolutionary cell-phone signal booster for the consumer. The YX500-CEL is a Bi-Directional Amplifier (BDA) which captures the Cellular (800MHz) signal arriving at a consumer's home or office, amplifies, and rebroadcasts it inside the building. Wireless Extenders designed the YX500-CEL to meet the needs of the wireless consumer while actively protecting the service providers' wireless network.

BENEFITS for the Wireless User:

- Stay wireless - no cradle or connections
- Truly affordable in a complete kit
- Easy to install & Simple to use
- Maximize data rates
- Small and aesthetically pleasing
- Covers 1,500 - 2,500 sq.ft.
- Upgrade coverage antennas available
- Improves both Cellular sub-bands
- Increases phone battery-life

The Wireless Extenders' YX500-CEL Kit includes the amplifier Base Unit, power supply, Base Unit Antenna, 35 feet of low-loss SATV coaxial cable (RG6), the Signal Antenna, and mounting hardware. The omni-directional antennas are easy to orient and receive from multiple cell towers.



System Specifications (Typical)	Uplink		Downlink
Frequency	824-849	MHz	869-894
Cellular Bands	ALL: a & b		
Network Formats	CDMA, GSM, TDMA, AMPS, GPRS, EDGE, 1xRTT, EVDO		
System Gain	54	dB	57
Composite Output Power Limit - EIRP	26	dBm	10
Noise Figure	5	dB	5
Third Order Intercept	39	dBm	29
Signal Delay	210	ns	190
Antenna - Signal	3 dBi Colinear; F-type female		
Antenna -Base Unit	2 dBi ½ wave dipole; TNC male		
Cable Loss	2.2dB (35 feet of 75 ohm, 3000MHz RG-6)		
Base Unit RF connectors	F-type female and TNC female		
Wall Supply Input	100 - 120 VAC 60 Hz		
Power Consumption	2W standby, 5.5W max signal		
System Certifications	UL, FCC Parts 15 & 22, Industry Canada		
Base Unit size & Weight	5" x 7" x 2" 12 oz.		
Operating Conditions	Indoor Use Only: 5° to 40°C (40 to 105 F)		
<p>The YX500-CEL handles all 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. The YX500 provides an indicator if the antennas are positioned improperly, but will NOT suffer damage or interfere with the Carrier Network.</p>			
<p>Coverage (open area):</p>			
4-5 signal bars at roof antenna	-> 60' diameter at 3-4 bars inside		-> over 2,500 sq. ft. circle