

## Model NO. C10-CDMA,C10-GSM,C10-DCS C10-PCS,C10-WCDMA

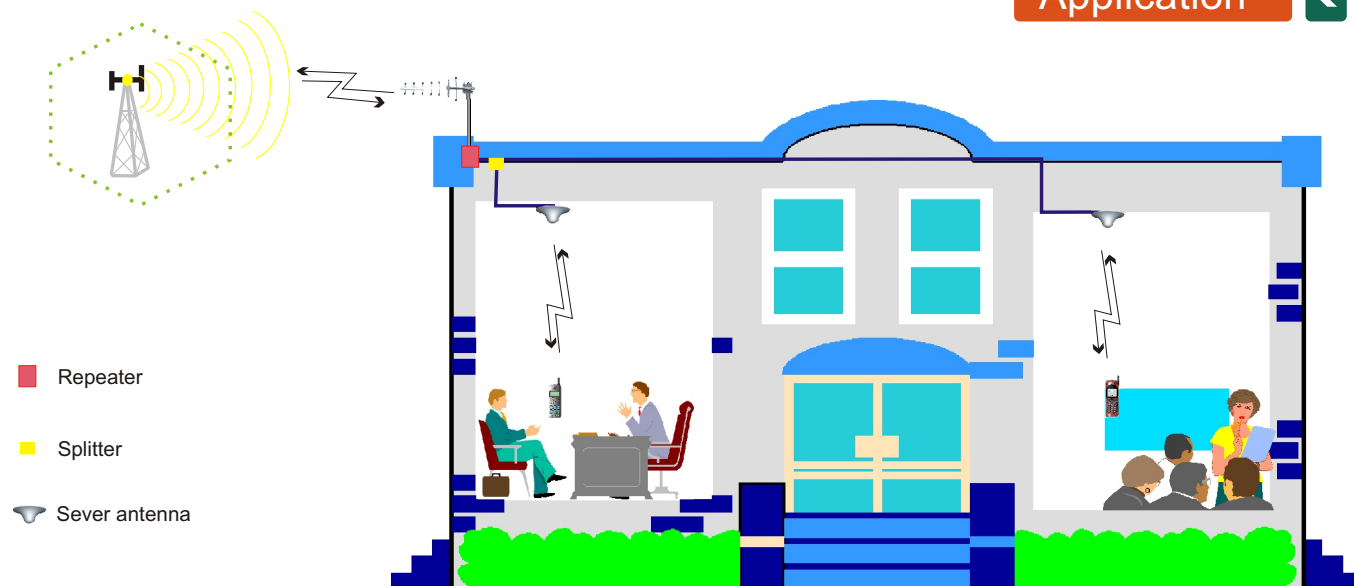
10dBm wide band consumer repeater

### > Introduction



- ▶ The consumer repeater from Amplitec is an ideal solution for providing a cost effective improvement in cellular in-building coverage of a home, office, restaurant or building, in the quickest time possible, on any of CDMA, GSM850, GSM900, GSM1800, GSM1900, and WCDMA.
- ▶ To maintain safe and specific output signal levels and give alarms on self-oscillation, the repeater has built-in AGC and ALC circuits, which can automatically control the gain of the repeater depending upon the strength of input signals.
- ▶ Wide band feature enables all devices operating within the wide frequency range of the repeater to see an improvement in performance. Multiple phones and other handheld devices throughout a building can benefit from a wireless repeater.
- ▶ Supports up to (20) users / calls simultaneously.
- ▶ Extended phone battery life. (Your phone does not need to put out as much power due to improved reception.)
- ▶ No more running outside or near windows to complete your calls or receive pages.

### Application <



## Wide band in any system of CDMA, GSM, DCS, WCDMA, PCS

### > Specification

#### Electrical Specification

Frequency Range		
CDMA	UL:824~849MHz	DL:869~894MHz
GSM850	UL:824~849MHz	DL:869~894MHz
GSM	UL:890~915MHz	DL:935~960MHz
DCS	UL:1710~1785MHz	DL:1805~1880MHz
PCS	UL:1850~1910MHz	DL:1930~1990MHz
WCDMA	UL:1920~1980MHz	DL:2110~2170MHz
Bandwidth	Wide band	
Maximum Gain	60dB	
Auto Level Control	20dB	
Output Power	10dBm	
Spurious Emission	-36dBm (9KHz~1GHz)	
	-30dBm (1GHz~12.75GHz)	
Noise Figure	6dB ( Typical )	
Return Loss	-10dB	
Group Delay	1.5uS	

#### Mechanical Specification

I/O Port	N-Female
Impedance	50 ohm
Dimensions (W x H x D)	218x134x57mm
Weight	1Kg
Operating Temperature	-5 ~50
Environment Conditions	IP40
Switch Adapter	Input AC 90~264V

### > Models

- Model 1: C10-CDMA (wide band in CDMA )
- Model 2: C10-GSM (wide band in GSM)
- Model 3: C10-DCS (wide band in DCS)
- Model 4: C10-PCS (wide band in PCS)
- Model 5: C10-WCDMA (wide band in WCDMA)