

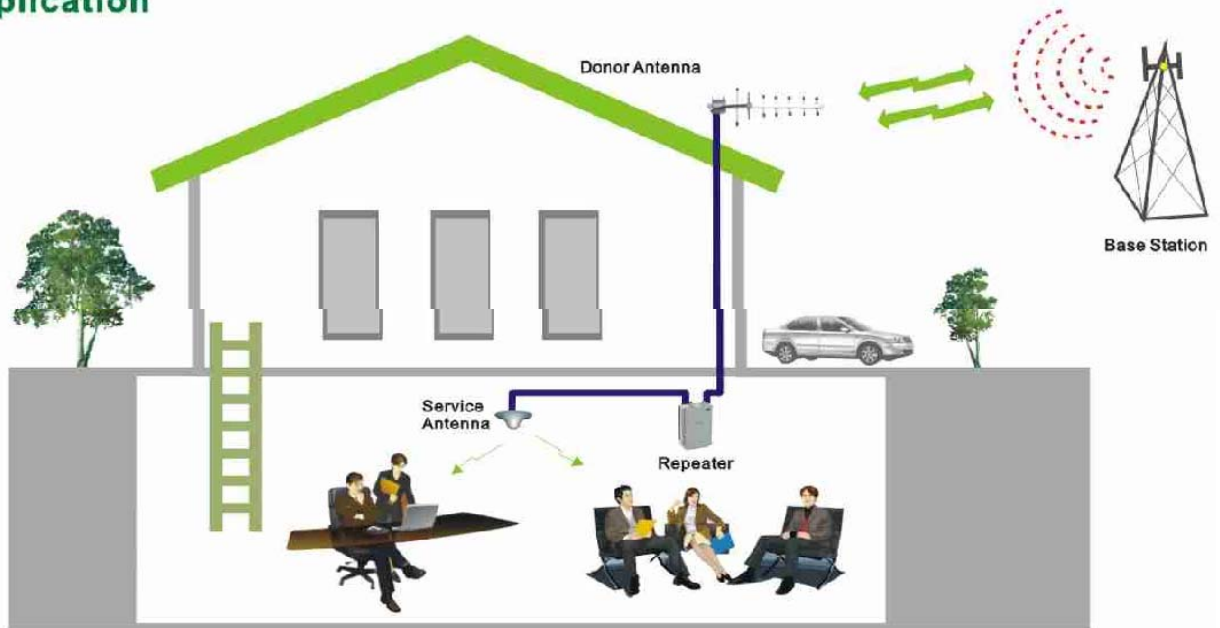
Product Feature

- Provide quick coverage solution for small signal weak & block zones, reduce drop/off calls.
- Compact size, low consumption, easy installation, great cover.
 - Cover about 100~1500 m² without block or obstruct.
 - Reduce cellphone transmit power and radiation, extend cellphone battery life.
 - High linear design, low interference to BTS.
 - ALC function design.

Repeater Series

- Output power: 10, 15, 20dBm, Frequencies: GSM900, GSM1800, CDMA800, CDMA1900, WCDMA single wide band repeaters.
- Repeater models: C10-GSM, C10-DCS, C15-GSM, C15-DCS, etc.

Application



Electrical Specification

Items	Uplink	Downlink
CDMA800 & GSM850	824 ~ 849 Mhz	869 ~ 894 Mhz
GSM900	890 ~ 915 Mhz	935 ~ 960 Mhz
Frequency Range	DCS 1710 ~ 1785 Mhz	1805 ~ 1880 Mhz
	PCS 1850 ~ 1910 Mhz	1930 ~ 1990 Mhz
	WCDMA 1920 ~ 1980 Mhz	2110 ~ 2170 Mhz
Max. Gain	60-65 dB	60-70 dB
Automatic Gain Control		>20dB
Bandwidth		Wind Band
Ripple in Band	CDMA, GSM±1dB; DCS, PCS±10dB; WCDMA±8dB	
Max. Input Power Without Damage		0 dBm
Output Power	10-15 dBm	10-20 dBm
Intermodulation Products	9KHz~1GHz	≦ -36 dBm
	1GHz~12.75GHz	≦ -30 dBm @ Po≦17 dBm
Spurious Emission	9KHz~1GHz	≦ -36 dBm
	1GHz~12.75GHz	≦ -30 dBm
Spurious Emission Mask(WCDMA)		Complies with 3GPP TS 25.106
Modulation Accuracy(WCDMA)		Complies with 3GPP TS 25.106
Peak Code Domain Error(WCDMA)		Complies with 3GPP TS 25.106
ACRR(WCDMA)		≧ 30dB @ ±5MHz & ±10MHz
Noise Figure @ max. Gain		≦ 6 dB(Typical)
Return loss		≦ -10 dB
Time Delay		≦ 0.5 μs
MTBF		> 50000 hours
Power Supply	AC: 90~265V, 50/60Hz; DC: 9V 2A	
Power Consumption		50 ohm
Impedance		< 12W
Input Signal Level	Normal	At the edge of green and orange (-50dBm or more)
	Low	Green
	High	1-5dB range; Orange; >20dB; Red

Mechanical Specification

Items	Specification
RF Connector	N-Female
Cooling	Heatsink Convection cooling
Dimensions (D x W x H)	209*133*41 (mm)
Weight	< 1.5 Kg
Installation Type	Wall Installation
Environment Conditions	IP40
Humidity	< 90%
Operating Temperature	-10°C ~ 55°C