

Mini Booster for House, Warehouse, Small office





Introduction

- Pacific Wave's pico repeaters are designed as bi-directional amplifier
- Our pico repeaters are designed for small indoor signal coverage improvement
- Both options of wide band and band selective abilities.
- RF electrical performance conforms to ETSI & 3GPP standards
- GPRS, EDGE, HSDPA, HSUPA support
- Manual Gain Control (via DIP Switch)
- Automatic Gain Control

Features

- Wide band or Band Selective Functions
- All options to support either single system, dual system or triple system
- Easy and Quick Installation
- Compact Design
- Low Interference

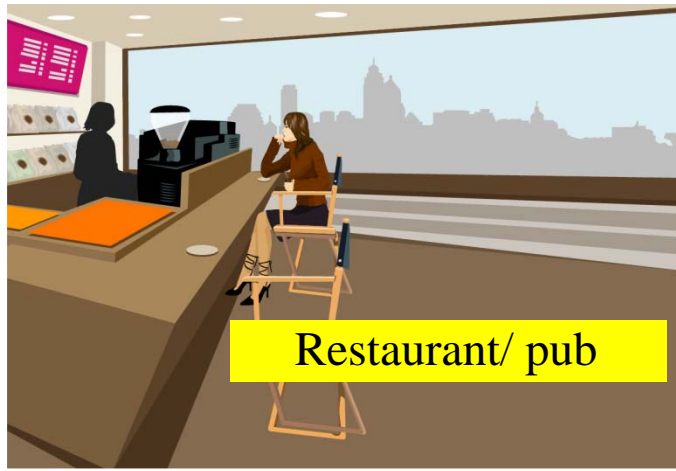


Specifications

10~20dBm pico repeaters are available

Description	UPLINK	DOWN LINK
C10-CD	824~849MHz 1710 ~1785 MHz	869~894MHz 1805~1880 MHz
Band Width	CDMA : 25MHz, DCS: 65MHz	
Max Gain	≥60 dB	
Gain Flatness	CDMA & GSM: 8dB, DCS: 10dB	
AGC	>20dB	
MGC	31dB @ 1dB / step	
Maximum Input Power	0dBm	
Output Power	≥10dBm	
Inter-modulation	9KHz~1GHz≤-36dBm 1GHz~12.75GHz≤-30dBm	
Spurious Emission	9KHz~1GHz≤-36dBm 1GHz~12.75GHz≤-30dBm	
Noise Figure	≤5dB	
Group Delay	≤0.5 micro Sec	
V.S.W.R	≤2	
Impedance	50 Ω	
Power Supply	Input 90vol - 265 VAC, 50Hz, transformer: 9V/2A	
Operating Temperature	-10~+50°C	
Water Proof	IP 40	
Dimension	250*134* 57mm	
Weight	≤2Kg	
LED Indicators		
Power ON/ OFF	ON/ OFF	
Input Singnal Levels	-50dBm or more	
Normal	At the edge of green and orange	
Low	Green	
High	>1-5dB range: Orange; >20dB: Red	

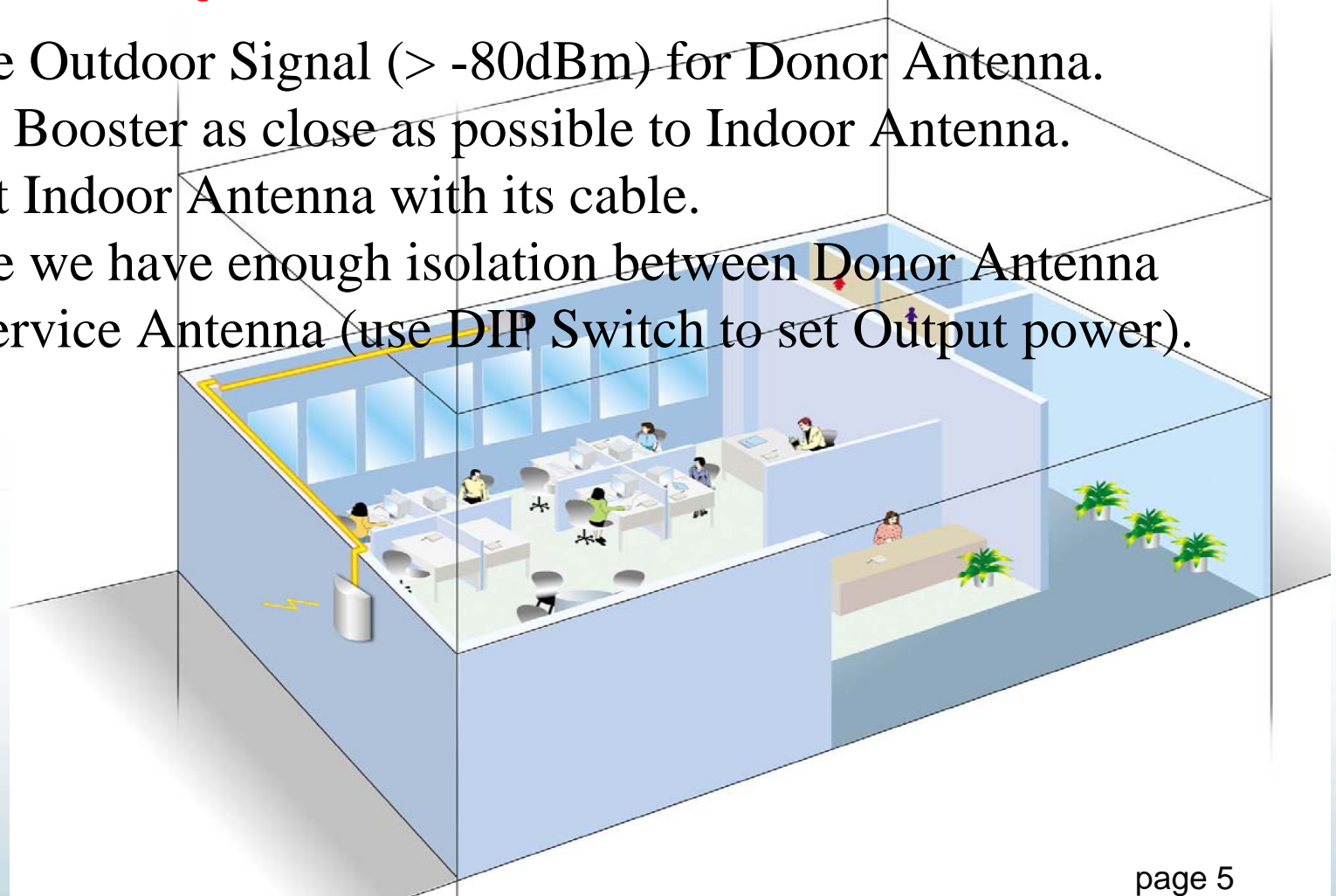
Designed for applications in small sized rooms such as small offices, little buildings, shops and other small spots





Simple way to install Mini Booster

1. Ensure Outdoor Signal ($> -80\text{dBm}$) for Donor Antenna.
2. Install Booster as close as possible to Indoor Antenna.
3. Mount Indoor Antenna with its cable.
4. Ensure we have enough isolation between Donor Antenna and Service Antenna (use DIP Switch to set Output power).



Solution

- 1) Temporary solution during first stage of network deployment to improve coverage of VIP customers
- 2) Ideal solution to send signals to small spots that still have no or weak signals even after network optimization

Benefits

More Traffic

Low infrastructure cost

Increase ARPU

Rapid implementation

Increase customer's royalty

