	Single Band Mini Booster For CDMA 800Mhz and DCS 1800Mhz or GSM 900Mhz and DCS1800Mhz	Code : PW-MB10-Series		
		Rev 1	Issued 27/03/2009	Page 1/2

Dual Band +10dBm Mini Booster (MB10 SERIES)

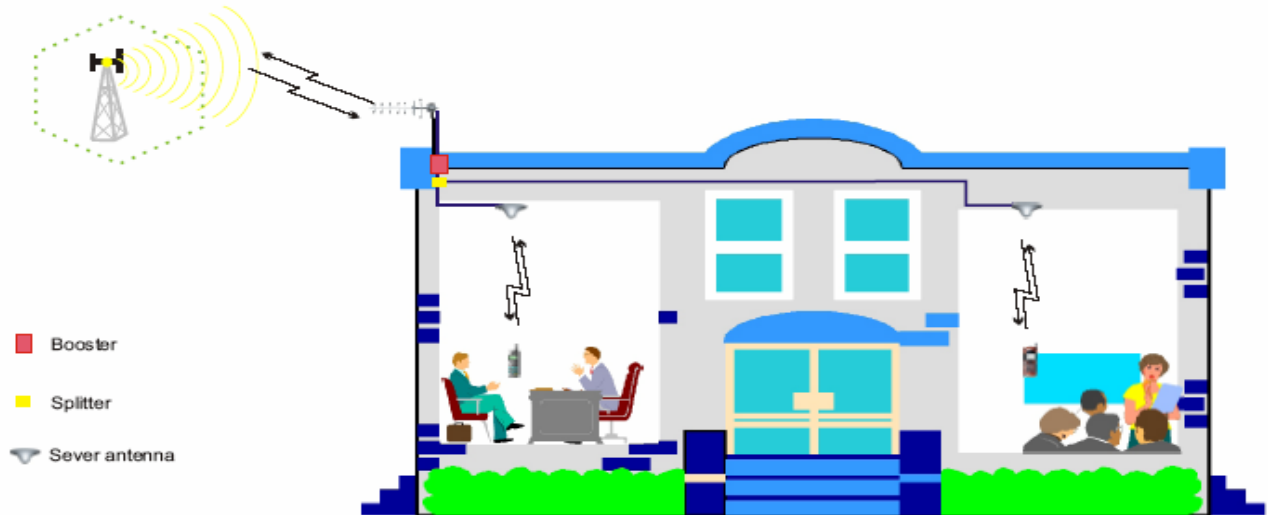



> Introduction

Dual Band Mini Booster is an ideal solution to provide a cost effective improvement in cellular coverage up to 100-300 m2, such as home, small office, VIP room, shop or restaurant.

- Compact Design & Light Weight make it easy to install.
- Simple maintenance with LED Indication as operation status.
- Wideband (at its frequency band) feature enables to provide indoor coverage from Multi Cellular Operator.
- Support up to 30 users/calls simultaneously.
- A better Signal Performance will extend Handset Battery Life.
- A fast & instant solution to achieve customer satisfaction.
- Low Electrical Power Consumption (18 Watt)

Application <



	Single Band Mini Booster For CDMA 800MHz and DCS 1800MHz or GSM 900MHz and DCS1800MHz	Code : PW-MB10-Series		
		Rev 1	Issued 27/03/2009	Page 2/2

Specification

Description	FREQUENCY RANGE	
	UPLINK	DOWN LINK
Booster Model : PW-MB10-CD	824~849MHz 1710 ~1775 MHz	869~894MHz 1805~1870 MHz
Booster Model : PW-MB10-GD	890~915 MHz 1710 ~1775 MHz	935~960 MHz 1805~1870 MHz
Band Width	CDMA800 & GSM900: 25MHz, DCS1800: 65MHz	
Max Gain	≥60 dB	
Gain Flatness	CDMA800 & GSM900: 8dB, PCS & DCS1800: 10dB	
AGC	>20dB	
MGC	31dB @1dB/step	
Maximum Input Power	0dBm	
Output Power	UL ≥10dBm, DL ≥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	
Impedance	50Ω	
Electrical Power Supply	Transformer : Input 220VAC, 50Hz, Output 9Volt / 2Amp	
Operating Temperature	-10 ~ +50°C	
RF Connector / Environment	N (Female) / IP 40	
Dimension / Weight	250 *134* 57mm / ≤ 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	

	Dual Band Mini Booster For CDMA 800MHz & DCS 1800MHz or GSM 900MHz & DCS 1800 Mhz	Code : PW-MB20-Series		
		Rev 1	Issued 03/03/2010	Page 1/2

Dual Band +20dBm Mini Booster (MB20 SERIES)

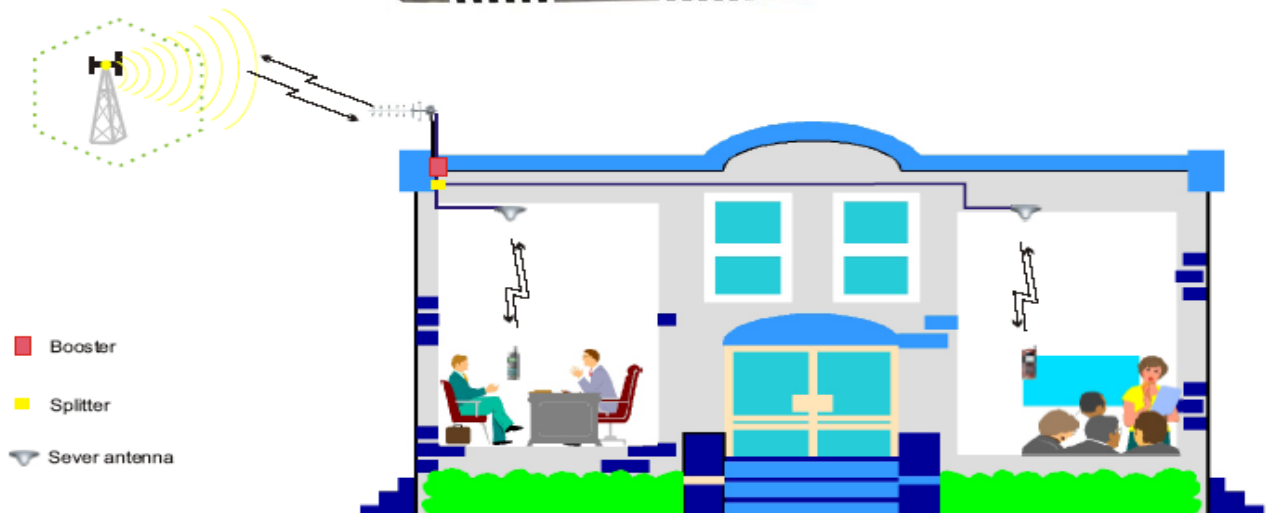
> Introduction

Dual Band Mini Booster is an ideal solution to provide a cost effective improvement in cellular coverage up to 500-800 m2, such as home, small office, VIP room, shop or restaurant.

- Compact Design & Light Weight make it easy to install.
- Simple maintenance with LED Indication as operation status.
- Wideband feature enables to provide indoor coverage from Multi Cellular Operator.
- A better Signal Performance will extend Handset Battery Life.
- A fast & instant solution to achieve customer satisfaction.
- Low Electrical Power Consumption (30-45 Watt)
- Support up to 40 users/calls simultaneously.



Application <



	Dual Band Mini Booster For CDMA 800MHz & DCS 1800MHz or GSM 900MHz & DCS 1800 MHz	Code : PW-MB20-Series		
		Rev 1	Issued 03/03/2010	Page 2/2

Specification

Description	FREQUENCY RANGE	
	UPLINK	DOWN LINK
Booster Model : PW-MB20-CD	824~849MHz 1710 ~1775 MHz	869~894MHz 1805~1870 MHz
Booster Model : PW-MB20-GD	890~915 MHz 1710 ~1775 MHz	935~960 MHz 1805~1870 MHz
Band Width	CDMA800 & GSM900: 25MHz, DCS1800: 65MHz	
Max Gain	≥70 dB	
Gain Flatness	± 2dB	
AGC	>20dB	
MGC	31dB @1dB/step	
Maximum Input Power	0dBm	
Output Power	UL ≥15dBm, DL ≥20dBm	
Inter-modulation	<u>For GSM 900 or 1800mhz</u> 9KHz~1GHz ≤-36dBm 1GHz~12.75GHz ≤-30dBm	<u>For CDMA 800mhz</u> Complies with IS-95
Spurious Emission	<u>For GSM 900 or 1800mhz</u> 9KHz~1GHz ≤-36dBm 1GHz~12.75GHz ≤-30dBm	<u>For CDMA 800mhz</u> Complies with IS-95
Noise Figure	≤ 6 dB	
Group Delay	≤0.5 micro Sec	
Impedance	50 Ω	
Operating Temperature	-10 ~ +50℃	
RF Connector / Environment	N (Female) / IP 40	
Dimension / Weight	250 *134* 112mm / ≤ 4Kg	
LED Indicators		
Power ON/ OFF	ON / OFF	
Input Signal Levels	-50dBm or more	
Normal	At the edge of green and orange	
Low	Green	
High	>1-5dB Orange; >20dB: Red	