

	Products	GSM900	CDMA800	DCS1800	PCS1900
C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

Signal Booster

Cell Phone signal booster is used to amplify the wireless signal in small area. The function is to send signal from base station to the indoor coverage directly, and through the small base station antenna. At the same time mobile phone signal reception through the distribution system up to the base, it can effectively eliminate indoor blind spots, interference suppression, an indoor mobile user to provide a stable, reliable signal to small regional coverage for indoor coverage results achieved marginal field above - 75dBm. It was used to Micro-regional signal blind spot or weak signal areas such as underground or office, small supermarket, underground parking lots, etc.

1、 Product Features:

- a 、 High system gains
- b 、 Full duplex and double-end design, external power supply, and convenient installation
- c、 ALC technology with auto-steady function adopted.
- d、 Provide power indication and uplink and downlink indications.
- e、 With the amplified linear power, the intermodulation and spuriousness are suppressed effectively.
- f. The reliability conforms to GB6993-86 standards.
- g. The electromagnetic compatibility conforms to ETS300 609-4 standards.



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GSM Signal Booster



Mechanical specification				
Type	SR-G60	SR-G70	SR-G80	SR-G90
Frequency	DL: 935—960MHz UL: 890—915MHz			
Gain	DL: ≥65dB UL: ≥65dB	DL: ≥70dB UL: ≥70dB	DL: ≥75dB UL: ≥72dB	DL: ≥80dB UL: ≥80dB
Power	14dBm	23dBm	25dBm	33dBm
ALC	≥20 dB			
Spurious emission	<-40dBm			
Intermodulation attenuation	≤-36dBc			
Impedance	50Ω No-condition			
Standing wave	≤1.35 dB			
Cover	800 m ²	1500 m ²	2500 m ²	5000 m ²
Flatness in band	6 dB			8dB
Power supply	Input AC: 100V-240V			DC: 27v
Mechanical specification				
Dimension (mm)	200mm×142mm×40mm			276×180×52
Weight (kg)	About 1.6			About 4.0
Other	adapter, specification			
Optional accessory	Yagi Antenna, Indoor Antenna, Splitter, Cable and Connector etc.			

GSM900 was used in the worldwide.

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CDMA Signal Booster



Mechanical specification					
Type	SR-C60	SR-C70	SR-C80	SR-C90	LM-60
Frequency	DL: 869—894MHz UL: 824—849MHz				
Gain	DL: ≥65dB UL: ≥65dB	DL: ≥70dB UL: ≥70dB	DL: ≥75dB UL: ≥72dB	DL: ≥80dB UL: ≥80dB	DL: ≥60dB UL: ≥60dB
Power	14dBm	23dBm	25dBm	33dBm	DL:20dBm UL:10dBm
ALC	≥20 dB				
Spurious emission	<-40dBm				
Intermodulation attenuation	≤-36dBc				
Impedance	50Ω No-condition				
Standing wave	≤1.35 dB				
Cover	800 m ²	1500 m ²	2500 m ²	5000 m ²	500 m ²
Flatness in band	6 dB				
Power supply	Input AC: 100V-240V			DC: 27v	AC: 100V-240V
Mechanical specification					
Dimension (mm)	200mm×142mm×40mm			276×180×52	132×100×24
Weight (kg)	About 1.6			About 4.0	About 1.0
Other	adapter, specification				
Optional accessory	Yagi Antenna , Indoor Antenna , Splitter , Cable and Connector etc.				

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DCS1800 Signal Booster



Technical	
Type	SR-D60/17
Frequency	DL: 1805-1880MHz UL: 1710-1785MHz
Gain	DL:≥65 dB UL:≥60dB
Output power	≥17dBm
Input Level	-40 dBm
ALC	≥20dB
Flatness in band	±6dB
I/O impedance	50Ω N-connector
Spurious Emission	<-40dBm
Standing wave	≤1.35 dB
Power supply	Input AC: 100V-240V
Mechanical	
Dimension (mm)	180×140×30 /290×250×70
Weight (kg)	1.5
other	Adapter, specification
Color	Black or blue
Optional accessory	Yagi Antenna, Indoor Antenna, Splitter, Cable and Connector etc.

	Products	GSM900	CDMA800	DCS1800	PCS1900
C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

PCS1900 Signal Booster



Technical	
Type	SR-P60/17
Frequency range	DL: 1930-1990MHz UL: 1850-1910MHz
Gain	DL:≥65 dB UL:≥60dB
Output power	≥17dBm
Input Level	-40 dBm
ALC	≥20dB
Flatness in band	±6dB
I/O impedance	50Ω N-connector
Spurious Emission	<-40dBm
Standing wave	≤1.35 dB
Power supply	Input AC: 100V-240V
Mechanical	
Dimension (mm)	180×140×30 / 290×250×70
Weight (kg)	1.5
other	Adapter
Color	Black or blue
Optional accessory	Yagi Antenna, Indoor Antenna, Splitter, Cable and Connector etc.

	Products	GSM900	CDMA800	DCS1800	PCS1900
C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

CDMA/GSM Signal Booster (2W)



Technical				
Type	SR-C80/27(CDMA)		SR-G80/27(GSM)	
	UL	DL	UL	DL
Frequency (MHz)	824-849	869-894	890-915	935-960
Gain (dB)	80		80	
Power dBm)	27		27	
ALC (dB)	≥20			
ATT (dB)	0-31, 1dB			
Gain Flatness (dB)	≤6			
Noise Figure (dB)	≤6			
Return Lose (dB)	≤-10			
Time Delay (nS)	≤500			
Spurious Emission	9KHz-1GHz ≤-36 dBm@3KHz			
	1GHz-12.75GHz ≤-36 dBm@3KHz			
LED Indication	Power supply: normal (green); UL: high Power(Red); DL: high Power (Orange) / Po-10dB (green)			
Power supply	Input AC: 100V-240V			
Mechanical				
Dimension (mm)	270×180×50/350×320×130			
Weight (kg)	4			
Other	Adapter ; Folded Plate; Nail			
Color	Silver			
Optional accessory	Yagi Antenna , Indoor Antenna , Splitter , Cable and Connector etc.			

	Products	GSM900	CDMA800	DCS1800	PCS1900
C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

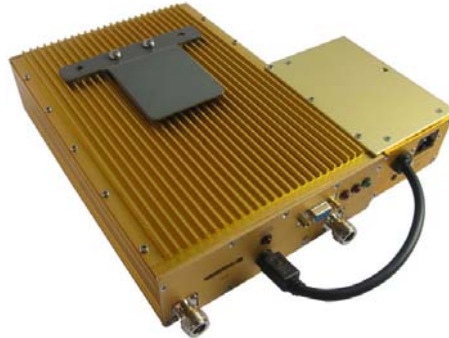
DCS/PCS Signal Booster (0.5W)



Technical		
Type	SR-D80/27(DCS)	SR-P80/27(PCS)
Frequency (MHz)	UL:1710-1785 DL:1805-1880	UL:1850-1910 DL:1930-1990
Gain (dB)	80	80
Power dBm)	27	27
ALC (dB)	≥ 20	
ATT (dB)	0-31, 1dB	
Gain Flatness (dB)	≤ 6	
Noise Figure (dB)	≤ 6	
Return Lose (dB)	≤ -10	
Time Delay (nS)	≤ 500	
Spurious Emission	9KHz-1GHz	≤ -36 dBm@3KHz
	1GHz-12.75GHz	≤ -36 dBm@3KHz
LED Indication	Power supply: normal (green); UL: high Power(Red); DL: high Power (Orange) / Po-10dB (green)	
Power supply	Input AC: 100V-240V	
Mechanical		
Dimension (mm)	270×180×50/350×320×130	
Weight (kg)	4	
Other	Adapter ; Folded Plate; Nail	
Color	Silver	
Optional accessory	Yagi Antenna , Indoor Antenna , Splitter , Cable and Connector etc.	

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C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

Dual Band Repeater



Technical	
Type	SR-CP65/17 SR-GD65/17
Frequency (MHz)	UL:825-835/1850-1910 UL:890-915/1710-1785
	DL:870-880/1930-1990 DL:935-960/1805-1880
Gain	65 dB
Output Power	17 ± 2 dBm
In-band Ripple	≤ 4dB
Noise finger	≤ 5 dB
VSWR	≤ 2.0
Intermodulation	≤ -40dBc/30kHz
Spurious Emission	≤ -36dBm/100kHz ≤ -30dBm/1MHz
Time delay	≤ 500 nS
Spurious emission	9KHz-1GHz ≤ -36 dBm@3KHz 1GHz-12.75GHz ≤ -36 dBm@3KHz
LED Indication	Power supply: normal (green); UL: high Power(Red); DL: high Power (Orange) / Po-10dB (green)
Power supply	Input AC: 100V-240V
Connector	RF N-F
Mechanical	
Dimension(mm)	270×170×50 / 350×320×130
Weight (kg)	1.6
Color	Blue or White
Other	Adapter ; Folded Plate; Nail
Optional accessory	Yagi Antenna , Indoor Antenna , Splitter , Cable and Connector etc.

	Products	GSM900	CDMA800	DCS1800	PCS1900
C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

Band Selective Repeater



Type		SR-C70/17	SR-G70/17	SR-D65/17	SR-P65/17
Frequency	UL:	825-835	890-915	1710-1785	1850-1910
	DL:	870-880	935-960	1805-1880	1930-1990
Gain		70±3 dB		65±3 dB	
Band selective		5MHz / 10MHz / 25MHz / 75MHz/ *			
Power		DL: 17dBm; UL: 10dBm			
IMD 3		≤-45dBc			
Standing wave		≤2.0			
Ripple in band		≤8dB			
AGC		≥20dB			
Noise finger		≤6dB			
Time delay		≤1.5μs			
Spurious		9KHz-1GHz :≤-36dBm/30KHz; 1GHz-12.75GHz: ≤-30dBm/30kHz			
LED		Power supply: normal (green); UL: high Power(Red); DL: high Power (Orange) / Po-10dB (green)			
Mechanical					
Size (mm)		250×180×50 / 350×320×13			
Weight (kg)		1.6			
Color		Blue or yellow			
Other		Adapter ; Folded Plate; Nail			
Optional accessory		Yagi Antenna, Indoor Antenna, Splitter, Cable and Connector etc.			

* is represent for other frequency range.

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C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

Signal Repeater



Item	Specification	
	Downlink	Uplink
Frequency Range	200kHz shiftable bandwidth within 935.1 – 959.9MHz 938.3 – 941.3MHz 955.5 – 957.9MHz	200kHz shiftable bandwidth within 890.1 – 914.9MHz 893.3 – 896.3MHz 910.5 – 912.9MHz
Maximum output[each band]	23dBm±2	
ALC Range	≥20dB	
Maximum Gain	≥70dB	
Gain adjustability	31dB in step of 1dB	
In band ripple[typical]	≤4dB	
Noise Figure (Uplink)	≤7dB (maximum gain)	
VSWR[typical]	≤1.8	
Group Delay	≤5us	
Spurious Emission	9KHz~1GHz; ≤-36dBm/100KHz	
	1GHz~12.75GHz; ≤-30dBm/1MHz	
Inter-modulation	≤-36dBc/3kHz	
Out of band Suppression[Typical Value]	≥50dBc@1MHz from edge of operation band	
Remote NMS	Require Optional GSM Modem Function: ATT, Channel shiftable, Alarm, PA OFF etc	

	Products	GSM900	CDMA800	DCS1800	PCS1900
C/G (2W)	D/P (0.5W)	Dual band	Band selective	Accessory	

Accessory

		
Yagi Antenna 10dBi(CDMA/GSM)	Yagi Antenna 12dBi(DCS/PCS)	Indoor finger antenna(3dBi)
		
Omni antenna (3dBi)	Flat antenna (9dBi)	Indoor finger antenna
		
Connector (N type)	Cable (50-7;50-5)	Splitter 800-2500MHz(2/3/4)