850 1900 1700/2100 4G 2600 or 900 1800 2100 2600mhz Quad band signal repeaters



Features

Embedded CPU, self-adaptive intelligent system very easy to use and install, better performance is guaranteed even under complicated and constantly changing RF environment conditions.

ISO: Intelligent isolation processing to avoid self-oscillation, quite wide adjusting range to stabilize the signal strength/quality for clearer voice/ higher data speed and avoid interference with mobile networks.

ALC: Intelligent automatic level control, quite wide adjusting range to stabilize the output power and improve the signal quality for clearer voice and higher data download speed.

LCD Display: Displays ISO status, ALC status, actual gain and downlink output power which makes booster installation and troubleshooting much easier.

MGC: Control buttons to adjust the gain for both uplink and downlink independently, 31dB range.

Excellent RF performance, larger coverage area, clearer voice and higher data download speeds.

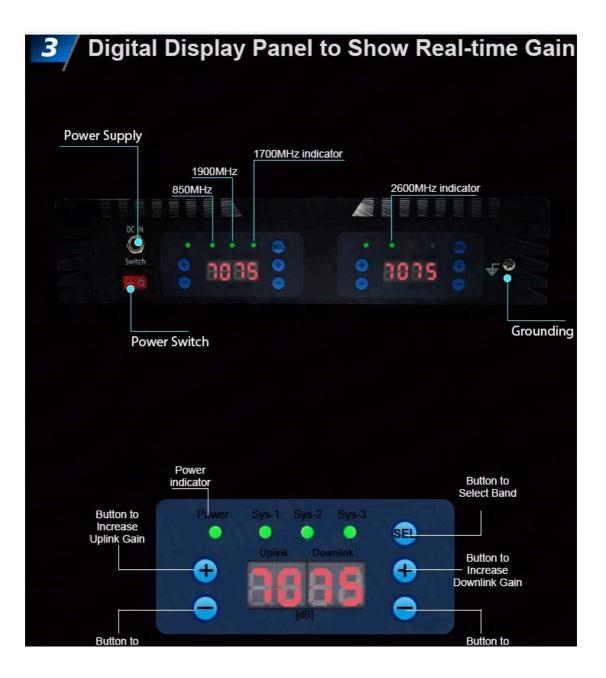
Elegant design, compact size, very low power consumption to minimize cost during operation and low heat dissipation.



Specification of HPC-GDWL-27 Tri band repeater:

Electrica	al specification	Uplink	Downlink		
	850MHz	824~849MHz	869~894MHz		
	1900MHz	1850~1910MHz	1930~1990MHz		
2600MHz 1700/2100MHz		2500~2570MHz 2620~2690MHz			
		1710-1755MHz 2110-2155MHz			
Frequency					
Range	900Mhz	880-915MHz	925-960-2155MHz		
	1800Mhz	1710 ~ 1785 MHz	1805 ~ 1880 MHz		
	2100Mhz	1920-1980MHz	2110-2170MHz		
	2600Mhz	2500~2570MHz	2620~2690MHz		
Max .Gain		≥ 65dB	≥ 75dB		
Max .Output Power		≥ 24dBm	≥ 27 dBm		
MGC (Step Attenuation)		≥31dB / 1dB step	≥31dB / 1dB step		

Automatic Level Control			≥ 20dB		
Gain Flatness		GSM & CDMA WCDMA	Tpy≤ 6dB(P-P); DCS, PCS ≤ 8dB(P-P) ≤ 2dB/ 3.84MHz, Full Band ≤ 5dB(P-P)		
Noise Figure			≤ 5dB		
VSWR			≤ 2.0		
Group Delay			≤ 1.5µs		
Frequency stability			≤ 0.01ppm		
Spurious Emission & Output inter-modulation		ion	GSM Meet ETSI TS 151 026 V 6.1.0 WCDMA Meet 3GPP TS 25.143 (V 6.2.0) CDMA Meet IS95 & CDMA2000		
WCDMA System		ious Emission Mask lation Accuracy	Meet 3GPP TS 25.143 (V 6.2.0) ≤ 12.5%		
	Peak Code Domain Error				
CDMA System	Rho		ρ > 0.980		
	ACPR		Meet IS95 & CDMA2000		
Mechanical		cifications Standard			
I /O Port			N-Female		
Impedance			50 ohm		
Operating Temperature			-25° C~+55° C		
Environment Conditions		ions	IP40		
Dimensions			268*250*53mm (L*W*H)		
Weight			≤ 4.50Kg		
Power Supply			AC90-264V, DC10V/6A		



Advantages:

Digital Display Panel, Intelligent mode setting

Smart function called which can be activated via the digital display panel.

Users can choose gain and working system by LED Digital Panel.

Set the technical parameters simple and efficient, this is easier than DIP Switch.

*How to Adjust the Gain ?

1. Press the SEL button. The indicator becomes green when the corresponding band is selected.

- 2. Press the + button on the upper left to increase the uplink gain.
- 3. Press the button on the lower left to decrease the uplink gain.
- 4. Press the + button on the upper right to increase the downlink gain.
- 5. Press the button on the lower right to decrease the downlink gain.

High Intelligence with AGC ALC function To Maintain High Voice Quality and Low Interference to BTS



Standard Package:

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1) AC90-264V, DC10V/6A power supply adapter 1PCS

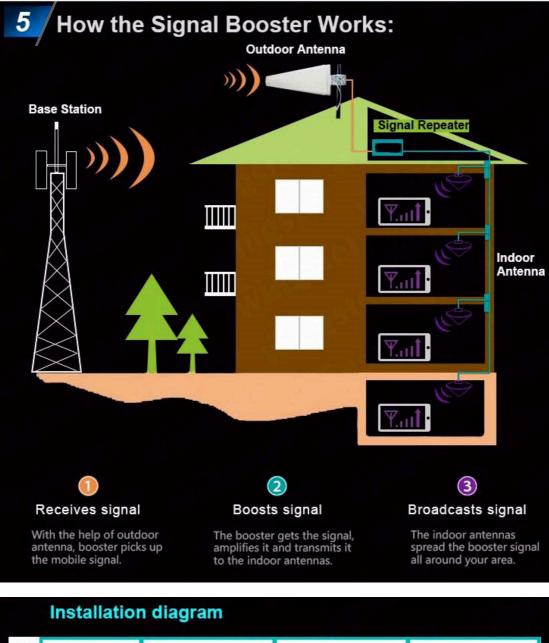
- 2) AC power cord (EU/US/UK/SA/China standard, etc) 1PCS
- 3) Installation kit 1PCS
- 4) User manual 1PCS

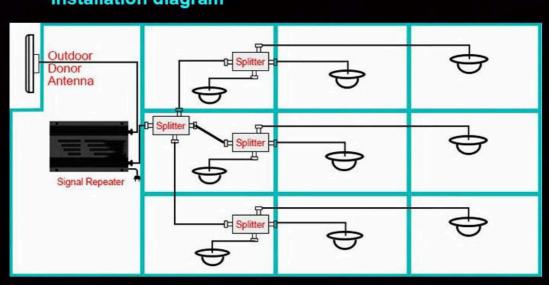
Recommended Accessories:

1)Donor antenna: Log Periodic Antenna (9dBi or 11dBi,806-960/1710-2700MHz)

2)Service antenna: Omni Ceiling Antenna (3dBi,806-960/1710-2700MHz)

	3)5D-FB	coaxial	cable	with	connectors(Cable	length	optional)
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Accessories Needed

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- Outdoor donor antenna: log periodic antenna (8/9dBi or high gain 11dBi)
- Indoor service antenna: omni ceiling antenna (3dBi), or panel antenna(6/8dbi)
- 3 LMR300 or LMR400 coaxial cable with connectors (different length available: 5m, 10m, 15m, 20m etc)
- 4 Coupler or splitters to connect the indoor antennas
 2-way splitter
 3-way splitter
 4-way splitter
 Coupler







