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Dual-Band GSM&DCS Outdoor Repeater From  
<http://www.jammerbooster.com/>

MODEL:	KR-4090GD/KR-4390GD
SIZE:	690mm* 420mm*260mm
PACKAGE:	Neutral packing

## Dual Band GSM900 & DCS1800 Outdoor Mobile Repeater

**Model: KR-3090GD/ KR-3390GD/ KR-3790GD/ KR-4090GD/ KR-4390GD**

### Introductions:

The GSM&DCS Dual-Band RF Repeater is designed to provide a more cost-effective solution than adding a new Base Transceiver Station (BTS) to improve signal coverage and communication quality in GSM900&DCS1800 system. And its easy installation and maintenance can help carrier get fast return.

The repeater is working as a relay between the BTS and mobiles. It receives the low-power signal from BTS via the Donor Antenna, linearly amplifies the signal and then retransmits it via the Coverage Antenna to the weak/blind coverage area. And the mobile signal is also amplified and retransmitted to the BTS via the opposite direction.

### Features:

Band-Selective RF Repeater: to amplify all signals in the whole band (bandwidth is customized);

Aluminum-alloy casing with IP65 protection has high resistance to dust, water and corroding;

Highly selective channel selector can process 12 channels simultaneously;

No interference to BTS by adopting linear amplifier with high gain and low noise;

Adopting filter with highly selectivity and low insertion loss eliminates interference between uplink and

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downlink;

RS-232 port provides a link to a notebook for local supervision or to the built-in wireless modem to communicate with the NMS (Network Management System) that can remotely supervise repeater's working status and download operational parameters to the repeater.

### Applications:

To expand signal coverage or fill signal blind area where GSM 900 and GSM1800 signal is weak or unavailable.

Outdoor: Airports, tourism regions, golf courses, tunnels, factories, mining districts, villages, etc;

Indoor: Hotels, exhibition centers, basements, shopping malls, offices, parking lots, etc.

### Specifications:

Items	Specifications	
	Uplink	Downlink
Frequency	890~915&1710~1785MHz (Customized)	935~960&1805~1880MHz (Customized)
Output power	30/33/37/40/43dBm	
Gain	? 90dB	
ALC/AGC	Supported	
Gain control range	30 dB/1 dB step	
Ripple in band	? 3.0dB	
Noise figure	? 5.0dB	
VSWR	? 1.5:1	
Transmission delay	? 5?S	
Out band rejection	F(edge) $\pm$ 400KHz?20dBc F(edge) $\pm$ 600KHz?30dBc F(edge) $\pm$ 1MHz?40dBc F(edge) $\pm$ 5MHz?50dBc	
Spurious emission	? -36dBm/9KHz-1GHz ? -30dBm/1GHz-12.75GHz	
Inter-modulation	? -37dBc	

Max. non-destructive input power	-10dBm
Impedance	50 W
Operating temperature range	-25 °C to +55 °C
Relative humidity	0 ~ 95%
Applications	IP65
Monitoring and control	RS232 (local) GSM wireless modem (remote)
Dimensions	690mm* 420mm*260mm
Weight	?45 kg
Power supply	AC220V ±20%, 50Hz ±10%
Power consumption rating	?300W
RF Connectors type	N female
Mounting	Wall or pole



