# Dual-Band DCS&WCDMA Pico Repeater From http://www.jammerbooster.com/

MODEL:	KR-1565DW
SIZE:	320mm *230mm*92mm
PACKAGE:	Neutral packing

## Dual-Band DCS1800 & WCDMA2100 Pico Repeater

Model: KR-1565DW

#### Introductions:

The Dual-Band DCS1800&WCDMA2100 Pico Band-Selective Repeater provides an affordable solution to solve the indoor signal coverage problems in both DCS& WCDMA system due to signal fading and attenuation caused by architecture obstacles. And its easy installation and maintenance can help carrier get fast return.

The repeater is working as a relay between the BTS and mobile phones. It picks up the strongest signal from BTS via the Donor Antenna, linearly amplify the signal and then retransmits it via the Indoor Signal Distribution System to the weak/blind mobile signal coverage area. And the mobile signal is also amplified and retransmitted to the BTS via the opposite direction.

The band-selective function can choose to amplify the signal within the customized band.

### Features:

- n Two signal ports with full duplex design
- n High system gain
- n Linear power amplification to effectively suppress inter-modulation and spurious emission

- n Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously
- n Unique color LEDs to indicate power supply and state and alarm
- n Simple installation with external AC/DC adapter

## **Applications:**

To expand signal coverage or fill signal blind area where signal is weak or unavailable.

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

## Specifications:

System		DCS1800	WCDMA 2100	
Working Freque	ncy Uplink	890~915MHz (Customized)	1920~1980 MHz (Cust	
	Downlink	935~960MHz (Customized)	2110~2170 MHz (Cust	
(customized)				
Output Power		15	dBm	
Gain		? 65dB		
ALC&AGC		Support		
Voltage Standing Wave Ratio		< 2.0		
Spurious	Within working band	? -15dBm/30kHz	Comply with 3GPP TS 25	
Emission	Out of working band	9kHz~1GHz: ? -36dBm/30kHz		
		1GHz~12.75GHz: ? -30dBm/30kHz		
	(?f > 2.5MHz)			
In-band Inter-Modulation Attenuation		? -40dBc / 30kHz (measured under rated output power)	Comply with 3GPP TS 25	
In-band Ripple		? 4dB	? 4dB p-p / 3.84 I	
Noise Figure		? 5dB	? 5dB	
ACRR	P ? 31 dBm		(Offset 5MHz) ? 3	
	P ? 31 dBm		(Offset 10MHz) ? 3	
	P < 31 dBm		(Offset 5MHz) ? 2	
	P <31 dBm		(Offset 10MHz) ? 2	
System Delay		? 5.0	)?Sec	
Out-of-Band	2.7 ? f offset < 3.5 MHz		? 60dB	
	3.5 ? f offset < 7.5 MHz		? 45dB	
Gain	7.5 ? f offset < 12.5 MHz		? 45dB	
	12.5 ? f offset		? 30dB	
Peak Code Domain Error (PCDE)			? -35dB	
I/O Impedance		5	0?	

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RF Connector
Temperature Range
Relative HumidityRange
Power Supply (customized)
Backup Power Supply (optional)
Dimensions
Weight
Indication LED

N-Type (Female)

Operation:-25°C~ +55°C/ Storage:-30°C~ +60°C
? 95% (non condensing)

AC 220V, 50Hz

4 hours

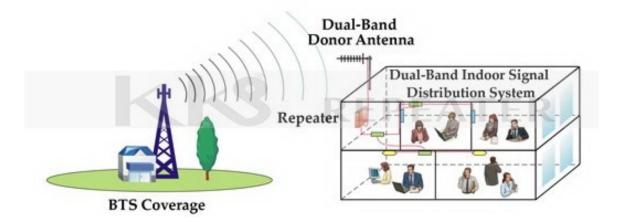
320mm \*230mm\*92mm

6kg

Power supply



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