
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 Frequency (customized)	Uplink	890~915MHz (Customized)	1920~1980 MHz (Customized)
	Downlink	935~960MHz (Customized)	2110~2170 MHz (Customized)
Output Power			15dBm
Gain			? 65dB
ALC&AGC			Support
Voltage Standing Wave Ratio			< 2.0
Spurious Emission	Within working band	? -15dBm/30kHz	Comply with 3GPP TS 25.101
	Out of working band (?f > 2.5MHz)	9kHz~1GHz: ? -36dBm/30kHz 1GHz~12.75GHz: ? -30dBm/30kHz	
In-band Inter-Modulation Attenuation		? -40dBc / 30kHz (measured under rated output power)	Comply with 3GPP TS 25.101
In-band Ripple		? 4dB	? 4dB p-p / 3.84 MHz
Noise Figure		? 5dB	? 5dB
ACRR	P ? 31 dBm	--	(Offset 5MHz) ? 30dB
	P ? 31 dBm		(Offset 10MHz) ? 30dB
	P < 31 dBm		(Offset 5MHz) ? 20dB
	P < 31 dBm		(Offset 10MHz) ? 20dB
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			50?

RF Connector

Temperature Range

Relative Humidity Range

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



