

## SPECIFICATIONS

Electrical Specification		Uplink	Downlink		
Frequency Bands	LTE 800 MHz	831 ~ 861 MHz	791 ~ 821 MHz		
	GSM 900 MHz	890 ~ 915 MHz	935 ~ 960 MHz		
	DCS 1800 MHz	1710 ~ 1785 MHz	1805 ~ 1880 MHz		
	WCDMA 2100 MHz	1920 ~ 1980 MHz	2110 ~ 2170 MHz		
	UMTS 2600 MHz	2500 ~ 2570 MHz	2620 ~ 2690 MHz		
Output Power		≥15dBm	≥20dBm		
Max Gain		≥65dB	≥70dB		
Filter Bandwidth		Wideband			
Manual Gain Control		≥ 31dB			
Intermodulation Products	9KHz~1GHz	≤ -36dBm	≤ -20dBm		
	1GHz~12.75GHz	≤ -30dBm	≤ -20dBm		
Spurious Emission	9KHz~1GHz	≤ -36dBm			
	1GHz~12.75GHz	≤ -30dBm			
Gain Flatness		LTE & GSM: ≤5dB, DCS & WCDMA: ≤8dB UMTS ≤6dB			
Noise Figure		≤ 8dB			
VSWR		≤ 2			
Spurious Emission Mask		Complies with 3GPP TS 25.106			
Modulation Accuracy					
Peak Code Domain Error					
Group Delay		≤ 1.5μs			
Frequency stability		≤ 0.01ppm			
Variable Gain		The UL gain automatically attenuates at the same dB level as the DL gain when the ALC is activated, however the DL gain does not change if UL automatically attenuates.			
OSCILLATION DETECTION	Detection time @1st	≤ 300mS	≤ 1000mS		
	Restart time @ 2nd	≥ 60S	≥ 60S		
	Restart times	≤ 5	≤ 5		
LED Alarm		Standard			
Power LED		Power Indicator			
ALC LED		Orange @ ALC 1~5dB, Red @ ALC15dB~20dB			
Mechanical Specifications		Standard			
I/O Port		N-Female			
Impedance		50 ohm			
Operating Temperature		-25°C~+55°C			
Environment Conditions		IP40			
Dimensions		275 x 268 x 300mm (10.83" x 10.55" x 16")			
Weight		≤8Kg (17.6lbs)			
Power Supply		Input AC90~264V, output DC12V / 5A			

## FEATURES:

The JDCR-LGDW Indoor Cellular Repeater is a medium-powered, 5 Band Gain Adjustable Repeater that is perfect for providing wireless coverage to an office building, department store, warehouse, underground parking lot, or multi-story building. Our repeaters help mitigate less than desirable PN scans in RF polluted environments thru the use of high linear amplifiers, properly specified output power limits and a well-designed alarm/protection circuitry.

- Unlimited Call Capacity
- Industry Leading 5 Band Repeater
- 70dB Gain / 20dBm Output Power
- 36 Months Warranty
- 30 Day Money Back Guarantee
- MUTE - Auto Shut Down if oscillation is detected
- MGC: Manual Gain Control (UL & DL)
- Automatic Limit Control Feature
- Coverage Area - (45,000 - 55,000 sq ft)
- Supports 90-240 Volts
- Alarm LED's for Error Detection
- Supports Any Cellular Device (Voice & Data)
- AGC Feature
- Carrier Grade Performance & Quality
- Phone Tech Support That's Second to None and is Free!

## DIP SWITCH ADJUSTMENTS

