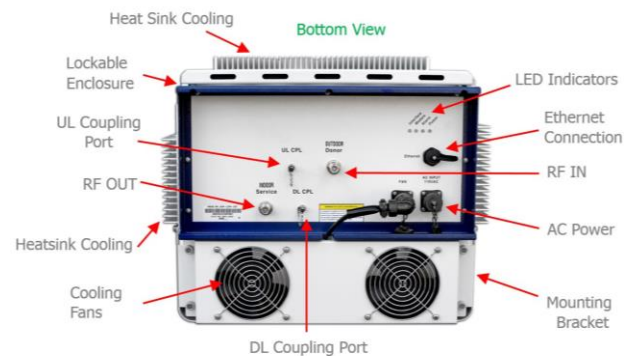


## SPECIFICATIONS

Frequency		Uplink		Downlink	
Range	700 MHz	18 MHz	698 ~ 716 MHz	728 ~ 746 MHz	
		11 MHz	776 ~ 787 MHz	746 ~ 757 MHz	
	800 MHz	25 MHz	824 ~ 849 MHz	869 ~ 894 MHz	
	1900 MHz	65 MHz	1850 ~ 1910 MHz	1930 ~ 1990 MHz	
	1721 MHz	70 MHz	1710 ~ 1780 MHz	2110 ~ 2180 MHz	
Preset Filter Options	1 to 2	700 MHz	29M (A+B+LC+UC)	6M (A,B,LC)	11M (UC)
	1 to 2	800 MHz	25M (A+B+A'+B')	11M (A)	10M (B)
	1 to 4	1900 MHz	65M (A,D,B,E,F,C,G)	15M (A,B,F)	7.5M (C1, C2)
	1 to 4	1721 MHz	70M (A,B,C,D,E,F,G,H,I,J)	10M (A,B,F,J)	5M (D, E, F, C3, C4, C5, G)
Customizable Bandwidth options	1.2MHz, 1.23MHz, 1.25MHz, 1.4MHz, 1.5MHz, 2.5MHz, 3MHz, 3.5MHz, 3.8MHz, 5MHz, 6MHz, 7.5MHz, 10MHz, 11MHz, 14MHz, 15MHz, 18MHz, 20MHz				
Effective Bandwidth	Custom Bandwidth 900 KHz	All Bands			
Output Power	700 / 800 MHz	+20dBm Each Band Total		+34dBm Each Band Total	
	1900 / 1721 MHz	+23dBm Each Band Total		+37dBm Each Band Total	
Gain	Range	55~85 dB		62~92 dB	
	Adjust step	1dB			
	Adjust Accuracy	+/- 1dB			
Gain Variation Over Temp		+/- 2dB / Ambient Room Temp			
Adjacent Channel Power Compensation Level		N/A		< 15dB ~ Downlink	
Noise Figure		<7dB @ Max Gain			
Impedance		50 Ohm			
Propagation Delay		<6usec			
CDMA Spurious Emission	>45dBc@+/- 750KHz	700 / 800 MHz	1 Block @ 20dBm	1 Block @ 34dBm	
	>50dBc @+/-1.98MHz	1900 / 1721 MHz	1 Block @ 23dBm	1 Block @ 37dBm	
ACLR (LTE)	>45dBc@+/- 5MHz	700 / 800 MHz	1 Block @ 20dBm	1 Block @ 34dBm	
	>45dBc @+/-10MHz	1900 / 1721 MHz	1 Block @ 23dBm	1 Block @ 37dBm	
ACLR (WCDMA)	>45dBc@+/- 5MHz	700 / 800 MHz	1 Block @ 20dBm	1 Block @ 34dBm	
	>45dBc @+/-10MHz	1900 / 1721 MHz	1 Block @ 23dBm	1 Block @ 37dBm	
Gain Flatness	700 / 800 MHz	<6dB p-p (Total Bandwidth)		<3dB p-p (Each block)	
	1900 / 1721 MHz	<8dB p-p (Total Bandwidth)		<3dB p-p (Each block)	
EVM	LTE	<8% (Including Source Signal)			
	WCDMA	<8% (Including Source Signal)			
VSWR		<1.5:1			
Wave Form Quality (p) ~ CDMA		>0.98			
Features					
Automatic Gain Control Range (AGC)		≥10dB			
Manual Gain Control Range (MGC) ~ Via GUI		≥40dB			
Automatic Limit Control (ALC)		Will not exceed output power set in GUI			
Automatic Shutdown (MUTE)		Circuit will shut down if alarm goes RED			
Uplink Sleep Mode		When no mobile is detected in range of service antenna, UL will go into sleep			
Environmental					
AC Power	Power Consumption	AC 110V~220V	Standby ~ 150W	Max ~ 533W	
Operating Temp.		-20 ~ +55°C			
RF Connector		N-type Female (RF IN / OUT)   SMA Female (Coupling port)			
Coupling port		20dBc +/- 3dB			
Environment Condition	Dimension / Weight	IP65 / Outdoor Rated	32" x 23" x 17" / 163Lbs ~ (Packaged ~ 206Lbs)		
Ext. Interface		RJ 45, USB B, SMS Connection			
Cooling Fans		Water Proof			
FCC ID:		SQX-LCPA-DR37			



EASY TO USE GUI



## FEATURES:

JDTECK's all-in one Quad Band Digital Repeater can operate in either a pre-set channelized mode, wide-band mode or custom-band mode with just the click of a mouse. This high-powered, gain adjustable, quad band digital repeater is perfect for use in a DAS needing to provide enhanced coverage for all the major Wireless Service Providers (WSP's) simultaneously while yet being able to individually adjust each carrier's gain and output power level. The highly intuitive Graphic User Interface (GUI) allows the user to select the desired active bands or channels they want to amplify, turn down or even turn off the bands they do not want to pass (Uplink & Downlink) all with the click of a mouse. Easily set any alarm trigger point as well as configure and control any parameter of the repeater. Need to narrow the active blocks by just 1 or 2 megahertz to avoid adjacent channel interference? That's no problem with the Quad Band DR Series from JDTECK. This can be done either locally or remotely via Ethernet or USB using any PC or mobile device. It is hands down the most intuitive and user friendly GUI designed to date.

- Remote Access & Full Control • Intuitive GUI with USB & Ethernet Connections • 92dB Gain / 37dBm Output Power • FCC Approved • 60 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 - (150,000 - 250,000 sq ft) • Supports 90-240 Volts • Alarm LED's for Error Detection • Supports Any Cellular Device (Voice & Data) • AGC Feature
- Automatic Error Notifications via Email (Optional) • Carrier Grade Performance & Quality • Phone Tech Support That's Second to None and is Free!

