

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,FC,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 (C, D, E, G, H,I)		
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	+17dBm Each Band Total		+24dBm Each Band Total			
	1900 / 1721 MHz	+20dBm Each Band Total		+27dBm Each Band Total			
Gain	Range	52~92 dB		52~88 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 @ 17dBm	1 Block @ 24dBm			
	>50dBc @+/- 1.98MHz	1900 / 1721 MHz	1 Block @ 20dBm	1 Block @ 27dBm			
ACLR (LTE)	>45dBc@+/- 5MHz	700 / 800 MHz	1 Block @ 17dBm	1 Block @ 24dBm			
	>45dBc @+/- 10MHz	1900 / 1721 MHz	1 Block @ 20dBm	1 Block @ 27dBm			
ACLR (WCDMA)	>45dBc@+/- 5MHz	700 / 800 MHz	1 Block @ 17dBm	1 Block @ 24dBm			
	>45dBc @+/- 10MHz	1900 / 1721 MHz	1 Block @ 20dBm	1 Block @ 27dBm			
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						
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 ~ 178W	Max ~ 200W			
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	25" x 16" x 14" / 94 Lbs				
Ext. Interface		RJ 45 , USB B, SMS Connection					
Cooling Fans		Water Proof					
FCC ID:		SQX-LCPA-DR27					

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
- 88dB Gain / 27dBm 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 - (35,000 - 80,000 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!

