

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 ~ 1915 MHz			1930 ~1995 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)		1.5M (A')		2.5M (B')		
	1 to 4	1900 MHz	65M (A,D,B,E,F,C,G)			15M (A,B,F)			7.5M (C1, C2)		5M (D, E, F, C3, C4, C5, G)		
	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		+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												
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:		Industry Canada ID:		SQX-LCPA-DR37				5607A-DR37/LCPA					

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 & IC 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!

