

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)		
	1 to 2	800 MHz	25M (A+B+A'+B')	11M (A)		
	1 to 4	1900 MHz	65M (A,D,B,E,FC,G)	15M (A,B,F)		
	1 to 4	1721 MHz	70M (A,B,C,D,E,F,G,H,I,J)	10M (A,B,F,J)		
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-DR37LCPA			

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!



EASY TO USE GUI

