

JD60-6-TB

Triple Band Cellular Repeater

Overview & Applications

The **JD60-6-TB Triple Band Cellular Repeater** is a high-powered, gain adjustable, triple band repeater that is perfect for providing wireless coverage inside a large home, office building, restaurant, warehouse, underground parking lot, VIP room, etc. There are 2 models available, one that covers the Cellular / PCS / AWS for USA networks and one that covers the GSM / DCS / WCDMA for European Networks.



Main Features

- Unlimited Call Capacity
- Industry Leading Triple Band Repeater
- FCC Approved ID: SQXJD60-7-TB-US
- 18 Months Warranty
- 30 Day Money Back Satisfaction Guarantee
- **MUTE** - Auto Shut Down if oscillation is detected
- Transparent to Local BTS
- Coverage Area - (12,000 - 18,000 sq ft)
- MGC: Manual Gain Control
- Supports 90-240 Volts
- Alarm LED's for Error Detection
- Fully expandable to cover much larger areas
- Supports entire bandwidth
- AGC: Automatic Gain Control
- Supports Any Cellular Device (Voice & Data)
- Carrier Grade Performance & Quality
- Phone Tech Support - Free!

Mechanical

Power Supply	Input 90 - 264 VAC, 50/60 Hz, transformer: 12V/5A	
Cooling	Heatsink Convection cooling	
Operating Temperature	-10~+50°C (14F~122F)	
RF Connector	N (female)-Type	
Weather Proof	IP 40	
Dimension	275 x 268 x 300mm (10.83" x 10.55" x 16")	
Weigh	≤8Kg (17.6lbs)	
LED indication	Power LED	DC ON/OFF
	Alarm LED	ALC 1~5dB, orange
		ALC 20~25dB, red

Specifications: Frequency & Operating

Frequency Range		Uplink		Downlink	
European	GSM DCS WCDMA	890~915MHz		935~960MHz	
		1710~1785MHz		1805~1880MHz	
		1920~1980MHz		2110~2170MHz	
USA	CDMA PCS AWS	824~849MHz		869~894MHz	
		1850~1910MHz		1930~1990MHz	
		1710~1755MHz		2110~2155MHz	
Bandwidth		CDMA & GSM: 25MHz,	PCS/AWS: 60MHz	DCS: 75MHz	WCDMA 60MHz
Max Gain		≥65dB			
Gain Flatness		CDMA & GSM: ≥8dB, PCS & DCS: ≥10dB; WCDMA & AWS ≥6dB			
AGC Range		≥15dB			
Gain Control Range(MGC)		≥31dB in 1 dB step			
Input Power		-30dBm(Max) : Operating		-30dBm(Max) : Operating	
		0dBm(Max) : Absolute		0dBm(Max) : Absolute	
Output Power		DownLink: ≥13dBm UpLink: ≥10dBm			
		Uplink		Downlink	
Inter-modulation		9KHz~1GHz≤-36dBm		9KHz~1GHz≤-20dBm	
		1GHz~12.75GHz≤-30dBm		1GHz~12.75GHz≤-20dBm	
Spurious Emission		9KHz~1GHz≤-36dBm 1GHz~12.75GHz≤-30dBm			
Noise Figure		6dB (Typical)		6dB (Typical)	
Group Delay		≤5 micro Sec		≤5 micro Sec	
V.S.W.R		≤3		≤3	
Impedance		50Ω		50Ω	

