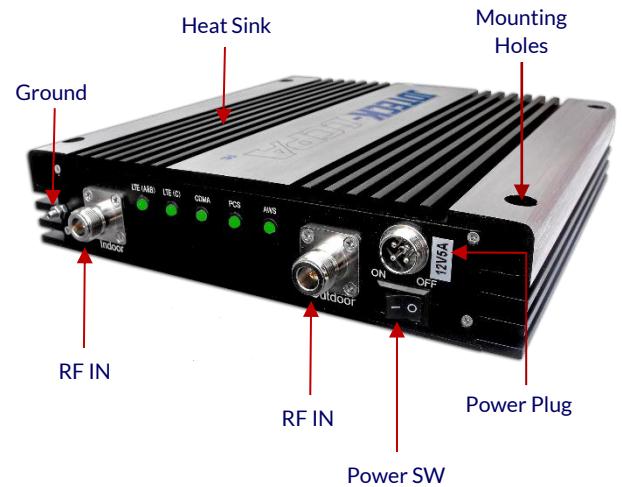
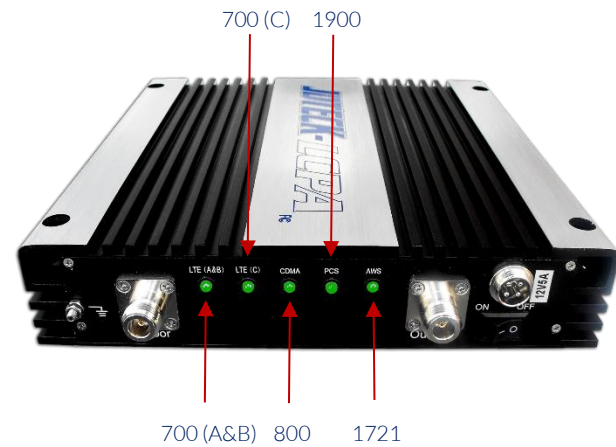


## SPECIFICATIONS



Electrical Specification		Uplink	Downlink
Frequency Range	700 MHz	(A&B)	698~716 MHz
		Upper (C)	776~787 MHz
	800 MHz		824~849 MHz
	1900 MHz		1850~1910 MHz
1721 MHz		1710~1755 MHz	2110~2155 MHz
Max Gain		≥15dB	≥15dB
Max Output Power		15±2dBm	0dBm
Band Width		Wide Band	
Automatic Level Control		≥ 15dB	
Intermodulation Products	9KHz~1GHz	≤ -20dBm	≤ -20dBm
	1GHz~12.75GHz	≤ -20dBm	≤ -20dBm
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Gain Flatness		CDMA & LTE & AWS ≤ 6dB / PCS ≤ 8dB	
Noise Figure		≤ 7dB	
VSWR		≤ 2	
Group Delay		≤ 1.0µs	
Frequency stability		≤ 0.01ppm	
OSCILLATION DETECTION	Detection time @1st	≤ 300mS	≤ 1000mS
	Restart time @ 2nd	≥ 60S	≥ 60S
	Restart times	≤ 5	≤ 5
<b>LED Alarm</b>		<b>Standard</b>	
Power LED		Power Indicator	
ALC LED (Uplink)		Orange @ ALC 1~5dB, Red @ ALC 15dB~20dB	
<b>Mechanical Specifications</b>		<b>Standard</b>	
I/O Port		N-Female	
Impedance		50 ohm	
Operating Temperature		-25°C ~ +55°C	
Environment Conditions		IP40	
Dimensions		250 x 250 x 52mm / 9.8 x 9.8 x 2 Inches	
Weight		≤ 4.5Kg / 9.9 Lbs	
Power Supply		Input AC 90~264V, Output DC 12V / 5A	

All in 1 Quad Band Support



### FEATURES:

JDTECK's PA Series is a powerful pre-amplifier used in applications where the donor signal for a wireless repeater system is very weak and needs pre-amplification. It is designed to be installed between the donor antenna and the repeater (NOT AFTER) and will amplify a weak signal before it gets to the repeater. This will ensure the repeater operates at max output power. Attenuation adjustments on the repeater is then used to optimize the system. This pre-amp also has an alarm monitoring feature with LED indicators that alarms if up-link gain to the BTS is too high. This feature does not override the auto MUTE function of the repeater so both features work in unison to ensure the cellular network is protected while enhancing the performance of your system.

- 15dB Boost in Gain • Perfect for Weak Input Signals • N Female Connectors • Quad Band Frequency Support • 36 Months Warranty
- 30 Day Money Back Guarantee • LED Indicators for Each Frequency Band • Automatic Limit Control Feature for Uplink • Supports 90-240 Volts
- Alarm LED's for Error Detection • Carrier Grade Performance & Quality • Phone Tech Support That's Second to None and is Free!

