

LTE1800+LTE/WCDMA2100 Dual Band Repeater

Model: TS-DB-33-F

The Repeater provides an affordable solution to solve the indoor signal coverage problems due to signal fading and attenuation caused by architecture obstacles. And its easy installation and maintenance can help carrier get fast return.

The repeater is working as a relay between the BTS and mobiles. It picks up the strongest signal from BTS via the Donor Antenna, linearly amplifies the signal and then retransmits it via the Indoor Signal Distribution System to the weak/blind coverage area. And the mobile signal is also amplified and retransmitted to the BTS via the opposite direction.

The Repeater can amplify the signal within the customized band.



Features

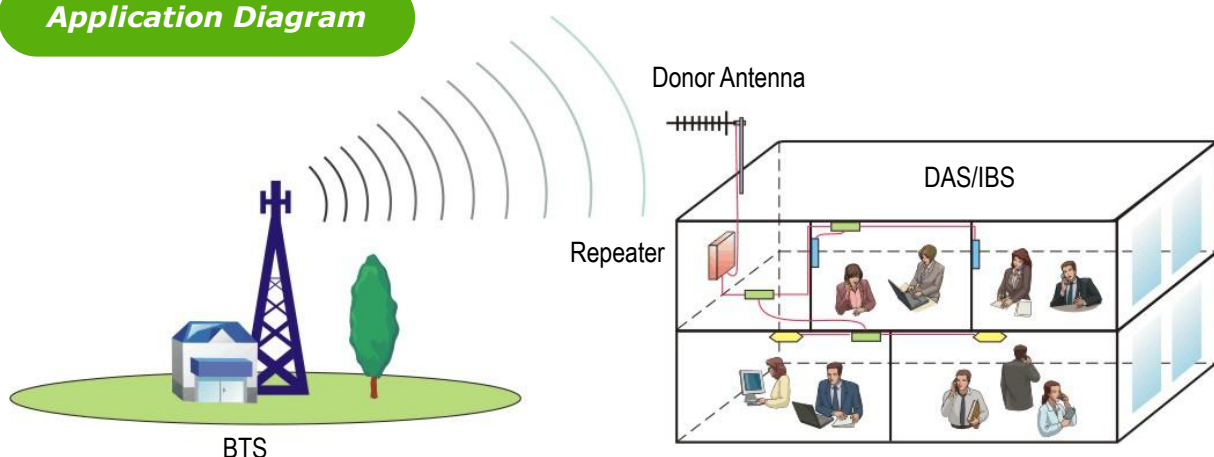
- Compact size with stable performance.
- Designed for indoor application.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD display to show the instant gain.
- Auto shut off function available to avoid the damage and interference in unusual signal conditions.
- Low interference & Oscillation prevention.
- Cost-effective for practical solutions

Applications

To expand signal coverage or fill signal blind area where signal is weak or unavailable.

Indoor: Hotels, exhibition centers, basements, shopping malls, offices, parking lots, ...

Application Diagram



Technical Specifications

Items		Specification
Frequency Range (Customized)	Uplink	1710~1775 / 1920~1980MHz
	Downlink	1805~1870 / 2110~2170MHz
Operation Bandwidth		Wide Band
Total Output Power (Composed)		≥33dBm
Input Power Range		-80~-50dBm
Maximum Gain		≥ 75dB
Gain Adjustment Range		≥ 30dB@1dB step
AGC (Auto Gain Control)		≥ 25dB
Frequency Stability		≤0.25ppm
System Group Delay		≤ 1μs
Noise Figure		≤ 6dB
Spurious Emission		≤-30 dBm@ 9 kHz ~ 1 GHz ≤-30 dBm@ 1 GHz ~ 12.75 GHz
VSWR		≤ 1.5
Impedance		50 Ω
Dimensions, H x W x D		268x170x50mm
Weight		≤3.8kg
Power Supply		Input:AC100~ 240V,Output: DC 9V/5A
RF Connector		N-Type (Female)
Application		Indoor(IP40)
Operating Temperature		-10 ~ +50 °C
Relative Humidity Range		≤ 95% (non condensing)