

## UHF Band Selective BDA / Repeater CSG 9440 BDA-65-27

CSG UHF BDA / Repeater solves the indoor signal coverage problems by boosting the signal strength. The BDA / Repeater works as a relay between the BTS, Donor (Input) and mobile Radios. It receives the DOWNLINK 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. In the reverse path the signal from the mobile radio is also amplified and retransmitted to the BTS via the opposite direction (known as UPLINK). It's easy to install and maintain.

CSG BDAs / Repeaters are designed to operate within the customized band as Band selective or in Channel Selective configuration



### Features

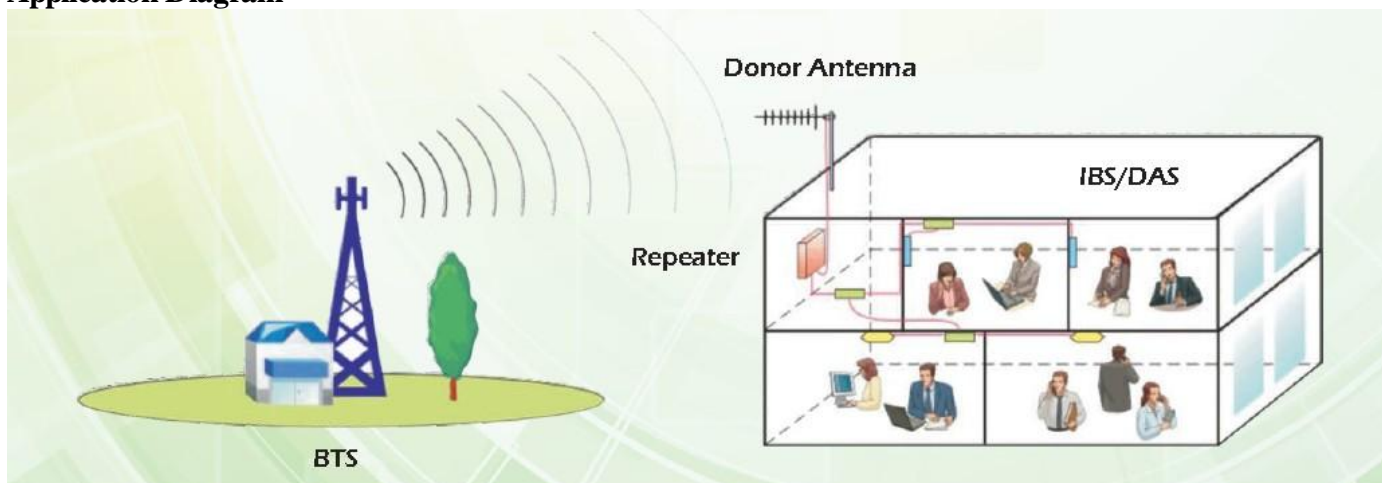
- Two signal ports with full duplex design
- High system gain
- Linear power amplification suppresses inter-modulation and spurious emission
- Automatic Level Control (ALC) ensures output level is stable and is continuously adjustable
- Unique color LEDs to indicate power supply and signal levels of UPLINK and DOWNLINK
- Simple Installation with external AC/DC Adaptor

### Applications

To enhance and expand signal coverage where signals are weak or unavailable.

- Hotels
- Exhibition Centers
- Basements
- Shopping Malls
- Offices
- Parking lots

### Application Diagram



# Technical Specifications

PARAMETERS		SPECIFICATIONS
Frequency range	Uplink	430.785 – 432.0 MHz
	Downlink	440.785 – 442.0 MHz
Working Bandwidth(SAW Filter for downlink and uplink)		1.2 MHz
Maximum Gain		≥ 65 dB
Gain Adjustable range		0 - 30 dB@in step of 1 dB
RF Output Power		27±1 dBm
AGC control range		≥ 20 dB
Maximum Input Power(Non-destructive)		≤ 0 dBm
VSWR		≤ 2.0 : 1
Group delay time		≤ 5μs
I/O Impedance		50 Ω
Noise Figure		≤ 6 dB
Spurious Emission	Within Working band	≤ -15 dBm / 30KHz
	Out of working band ( Δf > 2.5 MHz)	9KHz ~ 1GHz ≤ -36dBm/30KHz 1GHz ~ 12.75 GHz ≤ -30dBm/30KHz
Third order Inter-modulation		≤ -40 dBc
RF Connectors		N - Female
Power Consumption		≤ 60 W
Power Supply		AC 100 ~ 240 V Output : 9V/ 10A
Dimensions (Approx.)		265 x 318 x 68 mm
Weight (Approx.)		7.5 Kg
Alarm monitoring system		Alarm for uplink self-oscillation
Indications		Power supply , Alarm, State
Operating temperature		-10℃ to 50 ℃
Application		Indoor
Humidity		≤ 95 %