

DB6R20 Repeater

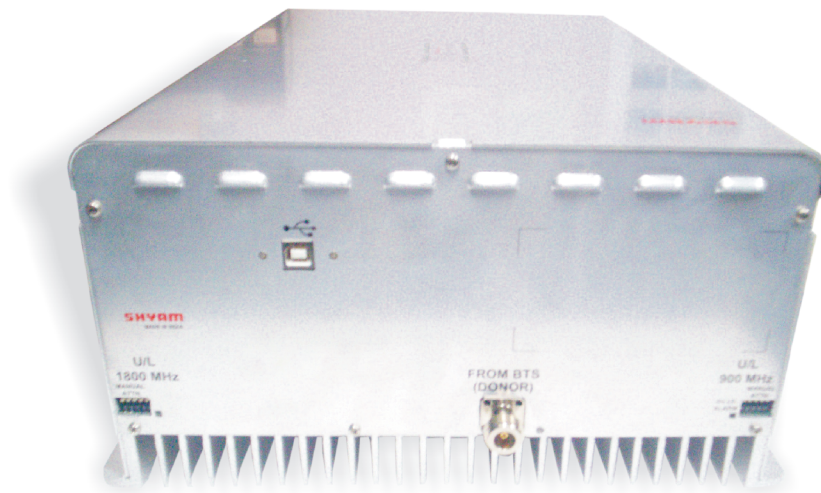
Technical Information

Band Selective Repeater (Dual Band)

DB6R20 is an integrated Dual Band indoor RF repeater equipped with six non-contiguous sub bands in various combinations (Maximum 3 sub-bands in each Band)

This band selective system is specifically designed for networks with non-contiguous spectrum allocation.

It is easy to install and enhances coverage in areas up to 3,000 sq. meters/ 30,000 sq ft.



Application Areas:

- Multi-storey Buildings such as Offices, Shopping Areas etc.
- Basements & Car Parking Areas.

Salient Features

- Compatible with GSM, CDMA, iDEN and WCDMA technologies.
- Available for SMR 800 / Cellular 850 / SMR 900 / EGSM / GSM 900 / DCS 1800 / PCS 1900 / UMTS / AWS frequency bands.
- Designed for indoor applications
- Conforms to ETSI & FCC standards.
- Compatible with frequency hopping BTS.
- Low noise and highly linear RF performance.
- Oscillation suppression feature
- APC (Automatic Power Control) for optimal linear output power.
- System Monitoring through USB port with easy GUI.
- RMS (Remote Management System) optional.
- High selectivity hence excellent out-of-band signals rejection.
- RSSI indication, Local controls & alarms.
- Caters to networks with six non-contiguous sub bands in 3 + 3 configuration in dual bands.

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Frequency Bandwidth

Customizable as per requirement

Model Nos.

ID6R2, ID6R3, ID6R4, ID6R5, ID6R6

Specifications

Gain	70 dB
Attenuation range	0-31 dB in steps of 1 dB (Automatic / Manual by GUI or DIP Switch)
Auto Power Control	10 dB Min.
Composite Output Power	+19dBm.
RF Power (P1)	+26dBm.
Spurious Emission	< -36dBm @ 9KHz-1GHz < -30dBm @ 1GHz-12.75GHz
Noise Figure	5dB Max.
Pass Band Ripple	± 2 dB
V.S.W.R.	1.5:1 Max.
Impedance	50 ohm
Propagation delay	5.5µs Max. / Direction
USB Interface	RSSI, Power, Event, Alarm and Configuration management
Remote Monitoring (Optional)	Wireless Modem
Power supply adaptor	AC 100-240 V, 47/63Hz
Power Consumption approx	70 watts
RF Connector	N Type Female
Operating Temperature Range	-5°C to +55°C (+23°F to +131°F)
Dimensions (L x W x H) Approx.	520x400x180mm (20x15x7 inches)
Weight Approx.	10 Kg.(22 lbs.)

Accessories

- Operational Manual
- Power Supply Adapter with Cord
- Software (CMC) CD
- USB Interface Cable

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