

Dual Band RF Indoor Repeater (Six Sub Bands) DB6MR20 Repeater



APPLICATION AREAS

- Office and Residences
- Shopping Malls
- Basements, Car Parking Areas, Hotels, Hospitals, Restaurants, etc.

DB6MR20 Dual Band RF Repeater

Indoor Coverage

DB6MR20 is a modular dual band indoor RF repeater equipped with up to 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 2,000 sq. meters/ 20,000 sq ft.



DUAL BAND RF REPEATER
DB6MR20 [INDOOR]

SALIENT FEATURES

- Compatible with GSM, CDMA, iDEN, WCDMA and GSMR technologies
- Available for 900MHz + 1800 MHz/ 850MHz + 1900MHz/ 1800MHz +2100 MHz/ 850 MHz+AWS/ 900MHz + 2100MHz frequency bands.
- Designed for indoor applications
- Conforms 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 to view GUI
- Remote Management System (OMCR) and SNMP (Simple Network Management Protocol) is optional
- High selectivity for excellent out-of-band signals rejection
- RSSI indication, local control & alarms
- Caters to networks with six non-contiguous sub bands in 3+3 configuration in dual bands

DB6MR20 Dual Band RF Repeater

SPECIFICATIONS

Gain:	GSM: 85 dB Min.
Attenuation Range:	0-31 dB in steps of 1 dB
Attenuation Type:	Automatic/Manual through GUI/DIP Switch
Automatic Power Control:	25 dB Min.
Output Power (Composite):	+ 19 dBm Min.
RF Power (P1):	+ 26 dBm Min.
Spurious Emission:	<-36dBm @ 9KHz-1GHz <-30dBm @ 1GHz-12.75GHz
Noise Figure:	6 dB Max
Pass Band Ripple:	± 2 dB
Impedance:	50 Ohms
V. S.W.R.:	1.5:1 Max
Propagation Delay:	5.5 µs Max
Power Supply Adapter:	Input: AC 100 - 240 V, 47/63 Hz
Power Consumption Approx.:	80 Watts
RF Connector:	N Type Female
USB Interface:	RSSI, Power, Event Alarm and Configuration Management
Weight Approx.:	20 kg. (44 lbs)
Dimensions (L x W x H) Approx.:	520 x 400 x 180 mm (20 x 15 x 17 in.)
Operating Temperature Range:	-5 °C to +55 °C (+23 °F to +131 °F)
Remote Monitoring (Optional):	Wireless Modem (SNMP Option available)

FREQUENCY BANDWIDTH

- Customizable as per requirement

All Shyam signal enhancement products can be customized to fit your requirements. Contact the Shyam location nearest you for further details.

ACCESSORIES

- Operational Manual
- USB Interface Cable
- Software (CMC) CD

MODEL#

- ID6R2
- ID6R3
- ID6R4
- ID6R5
- ID6R6

ABOUT SHYAM TELECOM

Shyam Telecom is a leading global telecom equipment manufacturer supplying innovative indoor and outdoor wireless signal enhancement solutions to more than 100 networks on five continents. The company designs and manufactures cost effective RF and optical distributed antenna solutions that enable mobile operators, real estate developers, neutral-host providers, and businesses to provide seamless wireless coverage within their networks.

Shyam Telecom has been manufacturing RF and fiber equipment for over 30 years, enabling reliable mobile communications for GSM, CDMA, UMTS, and Public Safety. The product line is designed to provide solutions that meet all of today's network standards, wireless protocols and frequencies to ensure coverage today, and state-of-the art technology to meet the needs of the future.

NEXT GENERATION SIGNAL ENHANCEMENT



CORPORATE HEADQUARTERS

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