

### Dual Band RF Indoor Repeater (Two Sub Bands) DB2R20 Repeater



#### APPLICATION AREAS

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

MODEL# ID2R2

# DB2R20 Dual Band RF Repeater

## Indoor Coverage

The DB2R20 is an integrated dual band indoor RF repeater equipped with two sub bands in a 1+1 configuration. This band-selective system is compact, lightweight & easy to install. It enhances coverage in indoor areas of up to 2,000 sq. meters/20,000 sq. ft.



DUAL BAND RF REPEATER  
DB2R20 [INDOOR]

### SALIENT FEATURES

- Compatible with GSM, CDMA, iDEN, WCDMA and GSMR technologies
- Available for 900 MHz + 1800 MHz / 850 MHz + 1900 MHz / 900 MHz + 2100 MHz / 850 MHz + 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 to view GUI
- Remote CMC monitoring through modem (optional)
- 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
- Designed for dual band networks with two sub bands in 1+1 configuration

# DB2R20 Dual Band RF Repeater

## SPECIFICATIONS

<b>Gain:</b>	70dB Min. UMTS: 65dB Min.
<b>Attenuation Range:</b>	0-31 dB in steps of 1 dB
<b>Attenuation Type:</b>	Automatic/Manual through GUI/DIP Switch
<b>Automatic Power Control:</b>	10 dB Min.
<b>Output Power (Composite):</b>	+ 19 dBm Min.
<b>RF Power (P1):</b>	+ 26 dBm Min.
<b>Spurious Emission:</b>	<-36dBm @ 9KHz-1GHz <-30dBm @1GHz-12.75GHz
<b>Noise Figure:</b>	6 dB Max.
<b>Pass Band Ripple:</b>	± 2 dB
<b>Impedance:</b>	50 Ohms
<b>V. S.W.R.:</b>	1.5:1 Max.
<b>Propagation Delay:</b>	5.5 µs Max.
<b>Power Supply Adapter:</b>	Input: AC 100 - 240 V, 47/63 Hz
<b>Power Consumption Approx.:</b>	50 Watts Max.
<b>RF Connector:</b>	N Type Female
<b>USB Interface:</b>	RSSI, Power, Event, Alarm and Configuration Management
<b>Remote Monitoring (Optional):</b>	Wireless Modem (SNMP Option available)
<b>Weight Approx.:</b>	7 kg. (15 lbs)
<b>Dimensions (L x W x H) Approx.:</b>	400 x 223 x 87 mm (13 x 9 x 3 inches)
<b>Operating Temperature Range:</b>	-5 °C to +55 °C (+23 °F to +131 °F)

## FREQUENCY BANDWIDTH

- Customizable as per requirement

## ACCESSORIES

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

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

# 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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