

SHYAM

RF Coverage Solutions

Dual Band RF Outdoor Repeater (Six Sub Bands) DB6M Repeater



APPLICATION AREAS

- Tunnels and Highways
- Islands
- Rural Locations
- Hilly Terrain
- Other Remote Outdoor Locations

DB6M Dual Band RF Repeater

Outdoor Coverage

DB6M is a modular dual band RF repeater that can be equipped with a maximum of six non-contiguous sub bands, in 3+3 configuration in two service bands to provide outdoor coverage for mobile signals. This band-selective system is specifically designed for networks with non-contiguous frequency spectrum allocation. Available in a wide range of RF powers, this repeater extends the coverage area of mobile networks where installation of additional BTS is not financially viable.



DUAL BAND
RF REPEATER
DB6M
[OUTDOOR]

SALIENT FEATURES

- Compatible with GSM, CDMA, iDEN, WCDMA and GSMR technologies
- Available for 900MHz + 1800MHz / 850MHz +1900 MHz / 1800 MHz + 2100 MHz / 850 MHz+ AWS / 900 MHz + 2100 MHz frequency bands
- Designed for outdoor applications
- Conforms to 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 hence 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

DB6M Dual Band RF Repeater

SPECIFICATIONS

Attenuation Range:	0-31 dB in steps of 1 dB
Attenuation Type:	Automatic/Manual through GUI
Automatic Power Control:	25 dB Min.
Noise Figure:	5 dB Max.
Pass Band Ripple:	+/- 2 dB
Impedance:	50 Ohms
V. S.W.R.:	1.5:1 Max.
Propagation Delay:	5.5 μ s Max.
Power Supply Adapter:	Input: AC 100 - 240 V, 47/63 Hz
RF Connector:	N Type Female
USB Interface:	RSSI, Power, Event, Alarm and Configuration Management
Operating Temperature Range:	-35 °C to +55 °C (-31 °F to +131 °F)
Remote Monitoring (Optional):	Wireless Modem (SNMP Option available)

MODEL SPECIFICATIONS

Composite RF Power (dBm) Min	RF Power P1 (dBm) Min	Power Consumption (Approx.)	Gain (dB) Min	Dimensions (Approx.) mm (inches)	Weight (Approx.) kg. (lbs.)	Model Nos.
+33	+40	150 W	95	700x445x215 (28x18x9)	35 (77)	OD6R2 OD6R3
+37	+44	200 W	95	850x515x240 (33x20x9)	42 (92)	OD6R4 OD6R5 OD6R6
+40	+47	275 W	95	850x515x240 (33x20x9)	42 (92)	

ACCESSORIES

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

FREQUENCY BANDWIDTH

- The bandwidth of each sub band is 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.

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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