

# DB6M Repeater

## Technical Information

Band Selective Repeater (Dual Band)

DB6M is a modular Dual Band RF repeater equipped with six non-contiguous sub bands, in combinations to provide outdoor coverage (Maximum 3 Sub-bands in each band). This band selective system is specifically designed for networks with non- contiguous 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.



## Application Areas:

- Tunnels, Highways, Islands, Rural locations, Hilly terrain & other Remote Outdoor

## 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 outdoor 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.

### Specifications

RF Composite Power (dBm)	RF Power P1 (dBm)	Power consumption Approx. (watts)	Gain (dB)	Dimensions Approx. mm (inches)	Weight Approx. Kg. (lbs.)	Application	Model Nos
+30	+40	125	90	560x445x200 (22x17x8)	30 (66)	Outdoor	OD6R2, OD6R3, OD6R4, OD6R5, OD6R6
+33	+40	150	95	560x445x200 (22x17x8)	30 (66))	Outdoor	
+37	+44	200	95	850x515x240 (33x20x9)	42 (92)	Outdoor	
+40	+47	275	95	850x515x240 (33x20x9)	42 (92)	Outdoor	

Gain adjustment range	31 dB in steps of 1 dB (Software control)
Auto Power Control	25 dB
Noise Figure	5dB Max.
Impedance	50 Ohms
V.S.W.R.	1.5 Max.
Propagation delay	5.5µs Max. / Direction
USB Interface management	RSSI, Power, Event, Alarm and Configuration
Remote Monitoring (Optional)	Wireless Modem
Power supply	AC 100-240 VAC, 47 / 63Hz
RF Connector	N Type Female
Operating Temperature Range	Outdoor: -35°C to +55°C (-31°F to +131°F) Indoor: -5°C to +55°C (+23°F to +131°F)

### Accessories

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

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