

**Section 6**

**MARINE ANTENNAS**

Updated 1 April 2011

**BM6-DB and BM8-DB Multiband NEXT G and GSM Cellular Mobile Phone Deck Mount**

**Frequency** 825 – 960 MHz **Bandwidth** NEXT G and GSM combined



Ground independent and factory tuned to provide multiband coverage of both the NEXT G and GSM cellular mobile phone networks combined with 6.2 dBi gain, these deck mount antennas are a perfect match in both height and appearance to other ZCG Scalar “BM” series marine antennas.

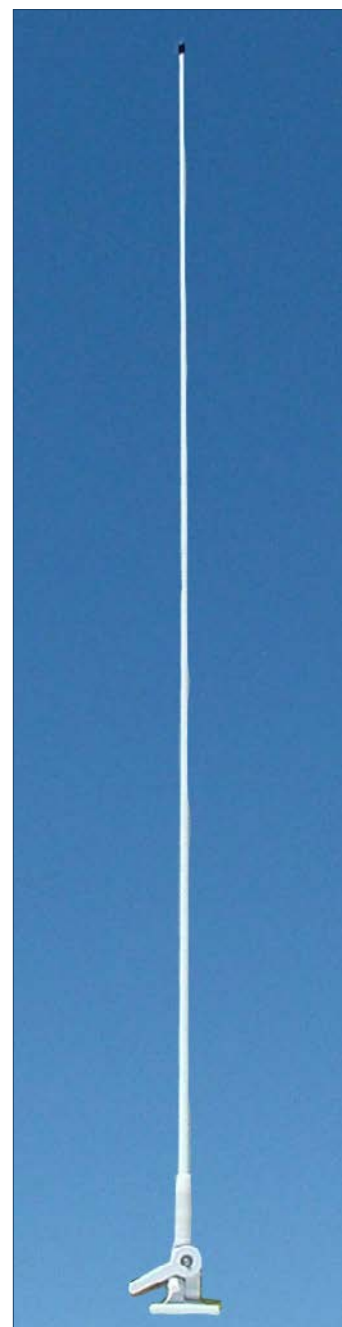
- ⇒ **BM6-DB** stands 2 metres tall.
- ⇒ **BM8-DB** is 2.5 metres tall.

Construction consists of brass radiators fully sealed inside a single piece white fibreglass radome ensuring long term survival in the harsh marine environment.

4.5 metres of RG58 low loss stranded cable side exits from the folding base. An FME Female connector is fitted to the cable.

The **MM1** folding deck mount supplied is constructed from toughened plastic. This base folds down in two directions and also swivels in the opposite plane by loosening the stainless steel pivot bolt. This versatility allows the antenna to be mounted in a variety of positions on any flat surface and at any angle using four screws or bolts.

The antenna must be in a vertical position for optimum performance and can be folded down flat when not required.



SPECIFICATIONS	BM6-DB	BM8-DB
<b>Construction</b>	Brass internals, single piece white fibreglass radome, white delrin ferrule 1"–14 UNS female thread, MM1 base	
<b>Cellular Mobile Phone Network Coverage</b>	NEXT G and GSM combined, 825 to 960 MHz full band	
<b>Tuning</b>	Factory	Factory
<b>VSWR</b>	Better than 2:1	Better than 2:1
<b>Gain</b>	<b>6.2 dBi</b>	<b>6.2 dBi</b>
<b>Max Input Power</b>	30 Watts	30 Watts
<b>Impedance</b>	50 Ohms	50 Ohms
<b>Polarisation</b>	Vertical	Vertical
<b>H-Plane</b>	360° Omnidirectional	360° Omnidirectional
<b>Cable</b>	4.5 metres RG58 low loss stranded cable side exits base	
<b>Connector</b>	An FME Female connector is fitted to the cable	
<b>Height (inc mount)</b>	2.0 metres	2.5 metres
<b>Weight (inc mount)</b>	1 kg	1.5 kg
<b>Folding Deck Mount Base Supplied</b>	<b>MM1</b>	<b>MM1</b>

These antennas are identical in appearance to :

- BM6-27, BM8-27** 27 MHz Marine
- BM6-VHF, BM8-VHF** VHF 156-162 MHz
- BM6-AM/FM, BM8-AM/FM** Radio Receive



An FME Female connector is fitted to the 4.5 metre RG58 low loss stranded cable.



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