

Section 6

**MARINE
ANTENNAS**

Updated 30 November 2011

**MADB Multiband NEXT G and GSM
Cellular Mobile Phone
Deck Mount**

| | |
|--|--|
| Frequency 825 – 960 MHz 1710 - 2190 MHz | Bandwidth NEXT G and GSM combined |
|--|--|



The **MADB** marine deck mount cellular mobile phone antenna provides multiband coverage of both NEXT G and GSM networks combined with an effective 6.2 dBi gain. No metal ground plane is necessary.

Standing 90 cm tall, the fibreglass radome is available in 3 colours; White, Black or Brown. Specify your preference when ordering.

The **MM1** folding deck mount supplied as standard 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 makes the **MADB** model a perfect choice for mounting to both recreational and commercial vessels alike on any flat surface and at any angle desired using four screws or bolts. The antenna can be folded down flat while not in use.

5 metres of RG58 low loss stranded cable side exits from the mount ferrule. The FME female connector fitted to the cable is rated for up to 30 watts input power.

This **MADB** model is identical in appearance to the **MA1100** antenna for AM/FM radio receive.

For those who prefer the ultimate in quality, durability and strength, the antenna is also available with the **MM2** folding deck mount which is constructed entirely from stainless steel. The order code is **MADBSS**.

| SPECIFICATIONS | MADB | MADBSS |
|---|--|-------------------------------|
| Folding Base Supplied | MM1 toughened plastic | MM2 stainless steel |
| Radome Colour | Specify either a White, Black or Brown radome colour when ordering | |
| Construction | Fibreglass radome, copper radiating elements, aluminium ferrule, delrin adaptor for base | |
| Cellular Mobile Phone Network Coverage | NEXT G and GSM combined 825 to 960 MHz and 1710 to 2190 MHz | |
| Tuning | Factory | Factory |
| VSWR | Less than 1.6:1 across the full band | |
| Gain | 6.2 dBi at 825 to 960 MHz 3 dBi at 1710 to 2190 MHz | |
| Max Input Power | 30 Watts | 30 Watts |
| Impedance | 50 Ohms | 50 Ohms |
| Polarisation | Vertical | Vertical |
| H-Plane | 360° Omnidirectional | 360° Omnidirectional |
| Cable | 5 metres of RG58 low loss stranded cable side exits from the aluminium ferrule | |
| Connector | An FME female connector is fitted to the cable | |
| Height (inc mount) | 90 cm | 90 cm |
| Weight (inc mount) | 0.8 kg | 1.55 kg |
| Mounting | Secure the folding base to any flat surface at any angle using 4 screws or bolts | |



The **MM1** folding deck mount supplied as standard is constructed from toughened plastic.

An FME female connector is fitted to the cable.

For those who prefer the ultimate in quality, durability and strength, the **MM2** folding deck mount is constructed entirely from stainless steel. This MM2 base is supplied with the **MADBSS** model.

This antenna is usually mounted to the deck of a marine vessel. However, the folding swivel base is also perfectly suited for mounting to a caravan, motor home, trailer, outside on the fascia board of a building or any flat surface whatsoever.