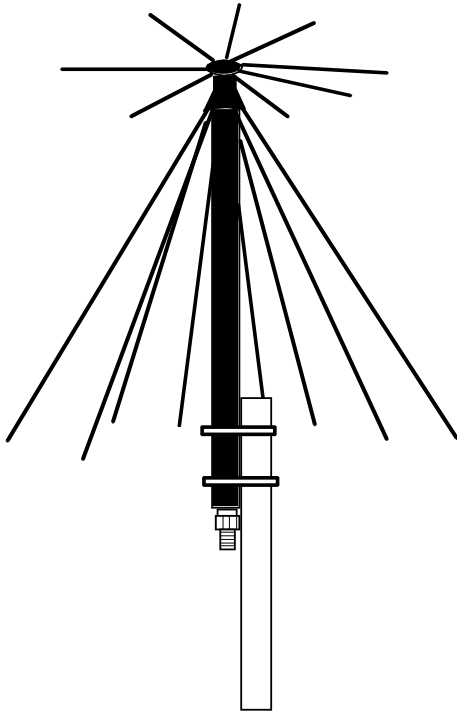




## Type BDA1340

### Broadband Omnidirectional 2 Band VHF/UHF Airband System



The BDA1340 is designed to provide dual band omnidirectional communications over the 113-174 and 225-400 MHz aviation bands, providing excellent ground to ground as well as ground/sea to air communications.

The principle of operation is that of an omnidirectional ground independent wideband system comprising a discone antenna with multiple elements. It has been designed to yield a low VSWR within this range with optimised radiation characteristics suited to ground to ground and ground to air operation.

Elevation patterns are consistent in character over the range, being similar to a  $\frac{1}{4}$  wave vertical monopole.

The antenna features stainless steel sloping and top hat radials. It is coated with a high durability epoxy based coating for full protection from the environment and ultra violet radiation and is fully marinised for use at sea.

### Specifications

<b>Colour</b>	Standard is Bronze Olive. Option other colours to order.
<b>Frequency Range</b>	VHF 113-174 MHz and UHF 225-400 MHz
<b>Polarisation</b>	Vertical linear
<b>Gain</b>	up to +2.5dBi over frequency range
<b>VSWR</b>	<2.5:1 over frequency range
<b>Impedance (output)</b>	50 $\Omega$ (nominal)
<b>Power Capability</b>	100w CW, 400w PEP
<b>Connection</b>	N type coaxial connector (female) in base
<b>Overall Dimensions</b>	750 (29.5 in) H x 840mm (33 in) Dia.
<b>Mounting Pole Length</b>	740mm (29.1 in), longer to order; mounting clamps not included
<b>Wind Survival</b>	160 km/h (100mph)
<b>Weight</b>	2.1g (4.6 lbs); packed: 3.0kg (6.6 lbs)

Specifications subject to change – Issued 01/09/13

Moonraker Australia Pty. Ltd. ABN 70 162 868 475  
Tasmanian Technopark, Dowsing Point, Tasmania, Australia 7010

Website: [www.moonraker.com.au](http://www.moonraker.com.au) Tel: 61 (0)3 6273 1533 Fax: 61 (0)3 6273 1749 Email: [radiocom@moonraker.com.au](mailto:radiocom@moonraker.com.au)

