



## DUA-4052-9 Series

**Omnidirectional high gain broadband UHF binary dipole array**  
**UHF / TETRA / Land Mobile Radio 400-520 MHz**



A binary dipole array offers both an omnidirectional radiation pattern and genuine broadband coverage across the entire UHF / TETRA / Land Mobile Radio (LMR) frequency range.



The array is therefore ideally suited for multiple frequency transmissions at highly populated radio sites.

Mounting hardware, coaxial feeder cable, connectors and other installation accessories are all available separately.

SKU	DUA-4052AL-9	DUA-4052SS-9
Construction	2-piece welded corrosion resistant aluminium boom and dipoles	2-piece welded 304 grade stainless steel boom and dipoles
Sets of dipoles	8 (16 dipoles)	
Frequency range	400-520 MHz - UHF, TETRA and LMR compatible	
Bandwidth	Full frequency range state - 120 MHz	
VSWR	<1.5:1	
Tuning	Factory	
Gain	9 dBd	
Maximum power	500 Watts	
Polarisation	Vertical	
H Plane	360° omnidirectional, ± 0.5 dBd	
Impedance	50 Ohms	
DC grounding	Yes	
Cable	1 metre UV rated RG142 - bottom exit from mount section	
Connector	N-type female fitted to cable tail or specify requirements - type 4.3-10 connector available	
Projected area	0.321m <sup>2</sup>	
Wind load at 160kph	38.874kg, 0.381kN	
Height	7.2 metres	
Mount section	Diameter: 48.4mm	Diameter: 50.8mm
Weight	20.4kg	25.0kg
Mounting hardware order separate	Parallel: 2 x UAM180L (40-75mm) or UAM180UNI (40-90mm) Right-angle: 2 x UAM90L (40-75mm) or UAM90UNI (40-90mm)	



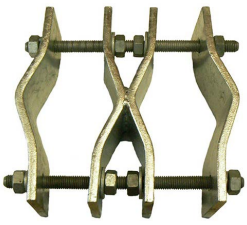
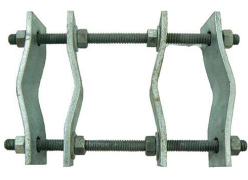
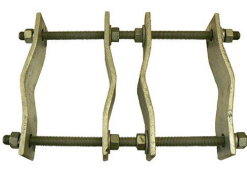
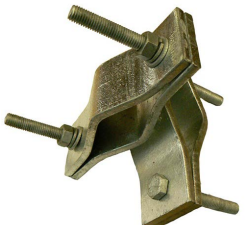




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### Suitable mounting hardware

 <p><b>SKU: UAM180L</b> 2 units recommended Galvanised steel parallel clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>	 <p><b>SKU: UAM180UNI</b> 2 units recommended Galvanised steel large parallel clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>
 <p><b>SKU: UAM180UNIL</b> 2 units recommended Galvanised steel extra large parallel clamp Boom: 40-90mm capability Mount pole: 60-115mm capability</p>	 <p><b>SKU: UAM90L</b> 2 units recommended Galvanised steel right-angle clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>
 <p><b>SKU: UAM90UNI</b> 2 units recommended Galvanised steel large right-angle clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>	 <p><b>SKU: UAM90LL</b> 2 units recommended Galvanised steel extra large right-angle clamp Boom: 60-115mm capability Mount pole: 60-115mm capability</p>

### Suitable feeder coaxial cable

 <p><b>SKU: 7890</b> RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (* times microwave) <b>SKU: 7890-3 - RU400-UF ultra flexible</b> Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>	 <p><b>SKU: NM-8226</b> N-type male crimp connector for RU400 low loss, solid conductor Tri-metal plated</p>
 <p><b>SKU: 7890-3</b> RU600 Solid copper conductor, low loss coaxial cable LMR-600™ equivalent (* times microwave) Available in 500m roll or alternatively request a custom cable assembly</p>	 <p><b>SKU: NM-8226-2</b> N-type male crimp connector for RU600 low loss, solid conductor Tri-metal plated</p>
 <p><b>SKU: ZCG1250</b> 1/2" corrugated shielding, foam dielectric coaxial cable Available in per metre, 500m roll or alternatively request a custom cable assembly</p>	 <p><b>SKU: NM1250</b> N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable Tri-metal plated</p>