



## RA8 Series

**Directional transmit or receive corner reflector antenna**  
UHF, ISM or lower 4G cellular 800-960 MHz



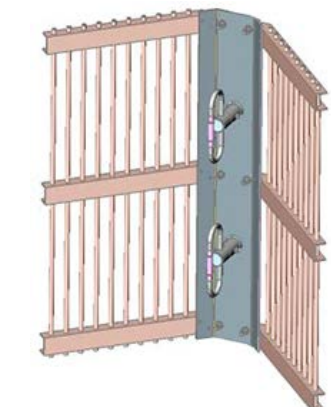
When you require good gain together with a high front-to-back ratio, a corner reflector will provide the ideal fixed position antenna solution. The RA8 is simple to assemble with the dipole mounting position clearly indicated with a red adhesive band. Please note the RA8-2 is a dual dipole model, ideal as a transmit and receive all-in-one antenna.

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

SKU	RA8	RA8-2
Construction	Fully-welded corrosion resistant aluminium multi-piece rear screen with removeable folded dipole and mounting bracketry	
Configuration	Single dipole	Phased dual dipole
Frequency range	800-960 MHz - UHF, ISM or lower 4G	
Bandwidth	Specify any 80 MHz when ordering	
VSWR	<1.6:1	
Tuning	Factory	
Gain	10 dBd	12 dBd
Maximum power	150 Watts	
Impedance - nominal	50 Ohms	
DC Grounding	Yes	
Polarisation	Mount horizontal or vertical as required	
H Plane	47°	
E Plane	53°	
Front-to-back ratio	30 dB	
Connector	N-type female located in the base of the dipole	N-type female fitted to cable tail of phasing harness
Reflector grid dimensions	Height: 275mm, Width: 300mm	Height: 610mm, Width: 550mm
Weight	3.0kg	8.0kg
Projected area	0.261m <sup>2</sup>	0.411m <sup>2</sup>
Wind load at 160kph	0.309kN, 31.574kg	0.488kN, 49.815kg
Mouting hardware supplied	2 x 304 stainless steel U-bolts, for 20-50mm masts	4 x 304 stainless steel U-bolts, for 20-50mm masts



RA8 single dipole corner reflector



RA8-2 dual dipole phased corner reflector



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Suitable feeder coaxial cable and connectors



**SKU: 7800**  
MIL-SPEC RG213 stranded copper conductor coaxial cable

Available in 100m or 300m rolls or alternatively request a custom cable assembly



**SKU: NM-7937**  
N-type male crimp connector for MIL-SPEC RG213  
Tri-metal plated



**SKU: 7808**  
RG214/U stranded conductor, double braided coaxial cable

Available in 100m or 300m rolls or alternatively request a custom cable assembly



**SKU: NM-7937-2**  
N-type male crimp connector for RG214, double braid shielded coaxial cable  
Tri-metal plated



**SKU: 7890**  
RU400 low loss, solid copper core, foam dielectric cable

**SKU: 7890-2 RU400-UF Ultra flex.**  
Available in 100m, 300m or 500m (UF only) roll or alternatively request a custom cable assembly



**SKU: NM-8226**  
N-type male solder pin crimp connector for RU400 / RU400-UF coaxial cable  
Tri-metal plated



**SKU: 7890-3**  
RU600 low loss, solid copper core, foam dielectric cable

Available in 500m roll or alternatively request a custom cable assembly



**SKU: NM-8226-2**  
N-type male solder pin crimp connector for RU600 coaxial cable  
Tri-metal plated



**SKU: ZCG1250SF**  
1/2" helical shielded, foam dielectric coaxial cable

Available in per metre, or 500m rolls or alternatively request a custom cable assembly



**SKU: NM1250SF**  
N-type male clamp connector for 1/2" super flexible, helical shielded, foam dielectric coaxial cable  
Tri-metal plated



**SKU: ZCG1250**  
1/2" corrugated shielding, foam dielectric coaxial cable  
**SKU: ZCG1250-A - Air dielectric**  
Available in per metre (excl. Air) or 500m rolls or alternatively request a custom cable assembly



**SKU: NM1250**  
N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable  
Tri-metal plated