

## Band 1 Radio Relay Antenna 225-400 MHz

## Type 1607

The 1607-900 and 1607-910 Band 1 Radio Relay Antenna is suitable for tactical deployment operating over 225 to 400 MHz frequency band (Band 1). In addition to its outstanding electrical performance, its main features are its lightweight rugged design, ease of use and low wind drag.

The design is based on a corner reflector with a welded lightweight aluminium reflector and a dipole feed assembly. The antenna is linearly polarised, with two mounting spigots at the rear provided for either horizontal or vertical polarisation.

For ease of transportation each reflector can be folded into a flat position, which also protects the feed (see picture below). For ease of transportation and stowage a bi-fold reflector version (1607-910) is also available to further reduce the size of the collapsed antenna.



Model 1607-910 shown  
(Bi-fold reflector version)

<b>Electrical Specification</b>	
<b>Frequency Range</b>	225-400MHz
<b>Gain</b>	9.2 dBi (nominal)
<b>VSWR</b>	2:1 max
<b>Polarisation</b>	Horizontal or Vertical
<b>Input Impedance</b>	50 $\Omega$
<b>Front to Back Ratio (typical)</b>	20dB
<b>Power Handling</b>	50W
<b>Input Connector</b>	N Type or Spinner 4-11 Socket (see below)
<b>Mechanical Specification</b>	
<b>Dimensions (reflector open)</b>	1465 x 820 x 580mm (1607-900) 1475 x 820 x 580mm (1607-910)
<b>Dimensions (stowed)</b>	980 x 820 x 240mm (1607-900) 620 x 820 x 240mm (1607-910)
<b>Weight (approx)</b>	8kg
<b>Finish</b>	Nato green polyurethane paint (IRR or CARC paint schemes can be supplied)
<b>Mounting</b>	2 x 40mm sockets at 90°
<b>Variants</b>	Solid Reflector..... Type 1607-900 Bi-Fold Reflector ... Type 1607-910
<b>Connector / Colour Options</b>	Add the following suffix to the part number:-  N Type / Green..... -01 Spinner / Green..... -02 N Type / Sand ..... -03 Spinner / Sand ..... -04 N Type / CARC ..... -05 Spinner / CARC..... -06



Folded for stowage  
(Bi-fold reflector version  
1607-910)

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