

LR1/2M

Assembly Instructions

Note: Your portable LR1 antenna is preset to 142-146 MHz dimensions (see table below) and is marked with insulation tape accordingly.

Refer to fig. 1 for table of dimensions and assembly drawing.

1. Slide in the 7/32" (O.D.) aluminium rod phasing stub (item 4) into the nylon bush of the middle section (item 2). Adjust the length as per dimension C at your operating frequency and fix it rigidly with the self-tapping screws (item 6).
2. Fix a jubilee clip (item 5) loosely over the slotted end of the 1/2" (O.D.) aluminium tubing of the middle section (item 2) and slide in the 3/8" (O.D.) aluminium tube (item 3). Tighten the jubilee clip after adjusting for the dimension B at the frequency of operation.
3. Fix the second jubilee clip (item 5) loosely, over the slotted and swaged end of the 3/4" (O.D.) aluminium tubing of the base section (item 1) and slide in the non-slotted 1/2." (O.D.) aluminium tubing of the middle section (item 2). Adjust for the dimension A at the frequency of operation and tighten the jubilee clip.
4. Fix the mounting bracket (item 7) on to the lower half of the stub-section (1 1/4" O.D. aluminium tube) of the base section (item 1).

Mounting

Mount the antenna as high as possible and clear from any obstructing objects, viz: trees, buildings, and metallic structures.

Dimensions For Various Frequency Band Operations

Freq MHz	Dimension in cm		
	A	B	C
136-140	52.0	130.4	23.9
138-142	48.5	128.6	23.6
140-144	43.0	126.8	23.2
142-146	40.5	125.0	22.9
144-148	35.5	123.3	22.6
146-150	33.0	121.6	22.3
148-152	26.5	120.0	22.0
150-154	23.5	118.4	21.7

