



# MOSLEY DP-275 ULBB

## VERTICAL GROUND PLANE ANTENNA 27 to 50 MHz



### The "DISPATCHER", DP-275 ULBB

The ULBB Uni-Linear Vertical ground plane antenna, the DP-275 Dispatcher, is a vertical ground plane antenna with an exceptionally low angle of radiation and is designed and manufactured to fulfill the exact antenna requirements for commercial or citizens band "CB" communications.

It incorporates a shunt match feed with 50 ohm impedance rated to 1,000 watts and a nominal 1.5 or less VSWR at the resonant frequency.

The Mosley "DP-275" offers a 3.4 gain over a standard ground plane antenna. This antenna is grounded for lightning protection which also reduces rain and snow static.

6063-T832 aluminum alloy tubing with high tensile strength makes this antenna the durable antenna desired for commercial use.

The vertical element of this DP-275 telescopes into a wrapped phenolic base tube which has a greater strength than the aluminum element. Radials (horizontal elements) terminate into a high strength "cycloc" base which has again, more strength than the aluminum element.

Antenna mounting is simplified: just mount the antenna on a mast, tighten two screws, and lock nuts. All hardware is of stainless steel or steel-plated to meet government specifications.

This vertical ground plane has swaged (tapering ends of aluminum tubing) designed to reduce wind load and any possibility of vibrations which could cause metal fatigue.

**When ordering the DP-275, please indicate the frequency and power required.**

Please [contact us](#) for more information regarding your antenna requirements.





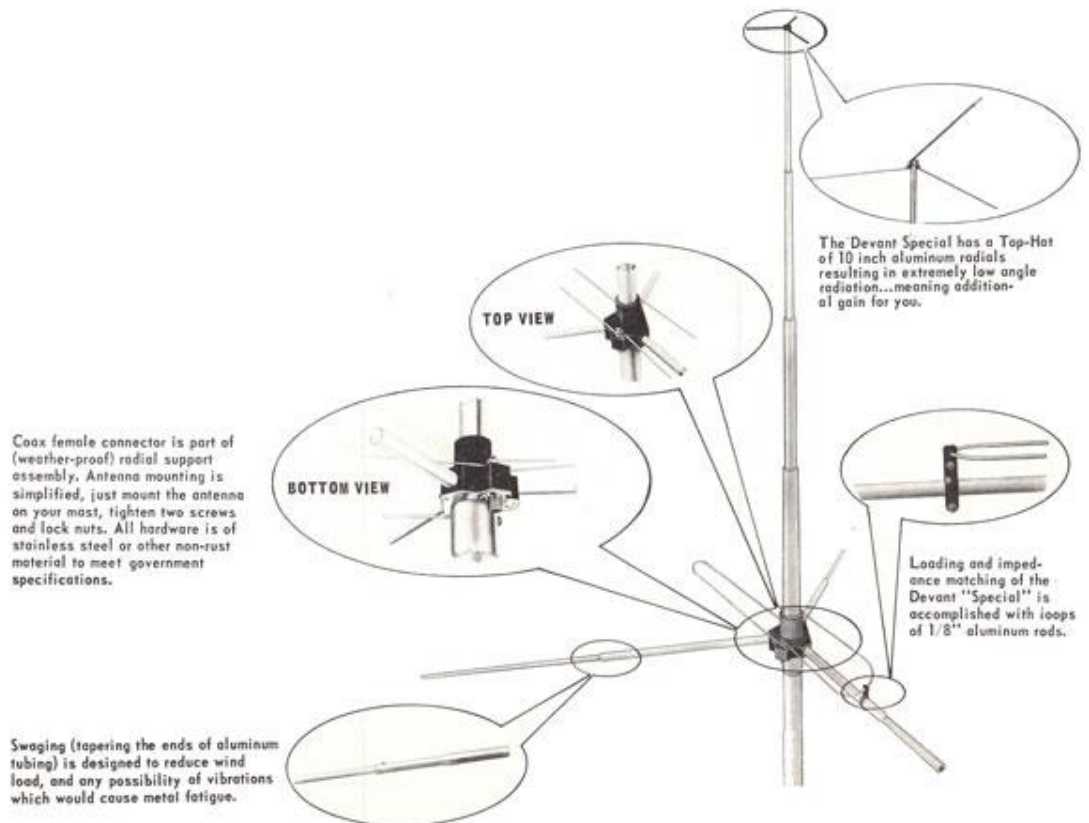
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The "DISPATCHER", DP-275 ULBB SPECIFICATIONS CHART EXAMPLE

### DP-275-27 (The Dispatcher Cut for 27 MHz, 11 Meters) Example

Frequency, MHz	27	
Gain, dB	3.4	
Power Rating, watts	1000	
Antenna Height	19.67 ft	6.00 m
Radial Element Length	9 ft	2.74 m
Wind Surface Area	2.2 sq ft	0.204 sq m
Wind Load, EIA 80 MPH	42 lbs	19.05 kg
Mast Size hardware equipped up to	1.625 in	4.13 cm
Assembled weight	11 lbs	4.99 kg
Warranty	2	
Recommended Coax	Belden RG-8 / RG-213	



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