



**UNITED  
STATES  
ANTENNA  
PRODUCTS, LLC.**

# MODEL 1018VMK

The Model LP-1018BA log periodic dipole antenna has been designed for transmission or reception in either oriented position – providing a vertical or horizontal polarization. Applications for this antenna include point to point, ground to air, surveillance, etc. The broadband width of 30 through 1100 MHz, together with its high gain of 8.0 dB, and high front to back ratio of 15 dB, yield an antenna of infinite possibilities and applications.

The Optional Vertical Mounting Kit allows you to orient the antenna in the vertical plane. The kit comes with all brackets, U bolts, hardware and a 3" OD 2" ID 20 foot fiberglass mast.



MECHANICAL CHARACTERISTICS		ELECTRICAL CHARACTERISTICS	
Boom length	16'7" (5.05 m)	Frequency range	30-1100 MHz
Longest element	16.4' tip to tip (4.99 m)	Gain	8.0dB
Turning Radius	10' (3.04 m)	Input Impedance	50 ohms
Material	Aluminum and stainless steel hardware	VSWR	2.0:1 maximum
Max Wind Speed	100 mph (160.9 kmph)	Polarization	horizontal or vertical as oriented
Minimum Mounting Height	20' (6.09 m)	Radiation Pattern	Uni-directional
		Maximum Power	500 watts at 1000 MHz 1000 watts at 400 MHz 1500 watts at 100 MHz and below
Weight (w/12' mast)	41 pounds (18.6 kg)	Input Connector	Type "N" Female
		Recommended Feedline	RG-213/u for runs of 50 feet or less

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