

Heavy Duty Mountain Toppers

With their triple-wall masts, Cushcraft's heavy duty broadband arrays are rugged enough to withstand winds up to 100 mph (161 kph). They are also DC grounded for lightning protection.

Ideal for use in public safety, business, industrial, state and national parks, or wherever a rugged, conveniently sized omnidirectional antenna is required. Elements can be arranged for elliptical or omnidirectional coverage.

4068P/4508P Mountain Topper 9.3/12.3 gain

Our highest gain array can really take it, thanks to thoroughly-coated dipole connections and molded harness splices which provide lifelong weatherproofing. Harnesses are precisely assembled for proper phase and impedance relationships to assure you of the best possible gain. The elements can be arranged to create any desired radiation pattern, from omnidirectional to elliptical.

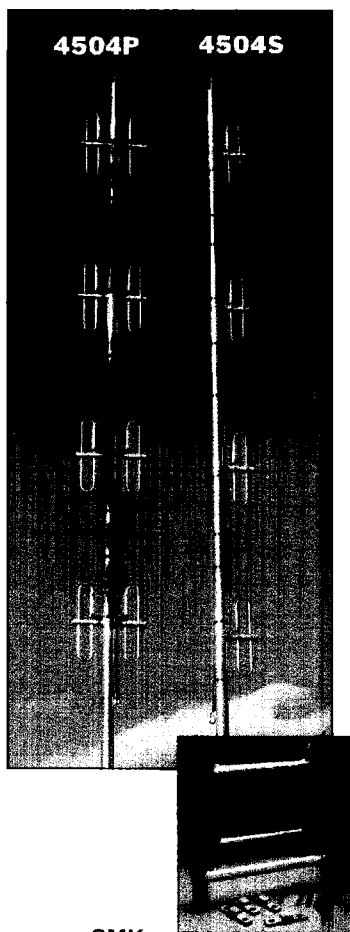
Choose either the 406-420 MHz 4068P or the 450-470 MHz 4508P. These antennas are ideal for dedicated or community repeater applications.

Short Mountain Topper 4064P/4504P 6.8/9.8 dB gain

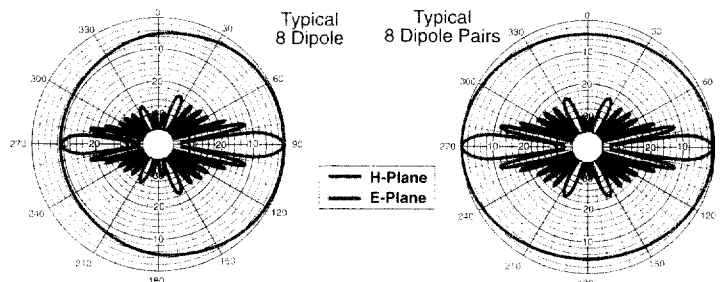
Half-size versions of the Mountain Topper, these antennas are designed for applications requiring less gain but demanding the same rugged performance characteristics. The 4064P offers a 406-420 MHz frequency range, while the 4504P range is 450-470 MHz.

Four Dipole Arrays

You may customize these extremely rugged 450-470 MHz antennas to provide offset or omnidirectional coverage by simply orienting the elements.



SMK
Side-Mount Kit



Use SA suffix for single dipole broadband array without mast and PA suffix for paired dipole broadband array without mast.

MOUNTAIN TOPPER SELECTOR CHART

Model	Freq. MHz	Omn Gain dBd	Offset Gain dBd	Connector Type	VSWR (nominal)	Vert. Bmwidth	W/sur. area ft ² (m ²)	W/surv. mph (kph)	W/1/2" ice mph (kph)	Length ft. (m)	Weight lb. (kg)
3508S	350-360	9.2	12.2	N-male	1.5:1	7	4.0 (.37)	100 (161)	74 (120)	24 (7.3)	42 (19)
4062P	406-420	3.8	5.0	N-male	1.5:1	27	1.2 (0.11)	100 (161)	74 (120)	4.2 (1.3)	15 (7)
4064P	406-420	6.8	9.8	N-male	1.5:1	14	1.9 (0.18)	100 (161)	74 (120)	9.5 (2.9)	19 (9)
4064S	406-420	6.0	9.0	N-male	1.5:1	14	1.5 (0.14)	100 (161)	74 (120)	9.5 (2.9)	15 (7)
4068P	406-420	9.3	12.3	N-male	1.5:1	7	3.4 (0.31)	100 (161)	74 (120)	18.5 (5.6)	36 (16)
4068S	406-420	9.3	12.3	N-male	1.5:1	7	2.5 (0.23)	100 (161)	74 (120)	18.5 (5.6)	34 (15)
4502P	450-470	3.8	5.0	N-male	1.5:1	27	1.2 (0.11)	100 (161)	74 (120)	4.2 (1.3)	15 (7)
4504P	450-470	6.8	9.8	N-male	1.5:1	14	1.9 (0.18)	100 (161)	74 (120)	9.5 (2.9)	19 (9)
4504PT	450-470	6.5	9.5	N-male	1.5:1	14	1.9 (0.18)	100 (161)	74 (120)	9.5 (2.9)	19 (9)
4504S	450-470	6.0	9.0	N-male	1.5:1	14	1.5 (0.14)	100 (161)	74 (120)	9.5 (2.9)	15 (7)
4508P	450-470	9.3	12.3	N-male	1.5:1	7	3.4 (0.31)	100 (161)	74 (120)	18.5 (5.6)	36 (16)
4508S	450-470	9.0	12.0	N-male	1.5:1	7	2.5 (0.23)	100 (161)	74 (120)	18.5 (5.6)	34 (15)
4704S	470-490	6.2	9.2	N-male	1.5:1	14	1.4 (.13)	100 (161)	74 (120)	9.5 (2.9)	16 (8)
4708P	470-490	9.3	10.5	N-male	1.5:1	7	3.3 (.30)	100 (161)	74 (120)	17 (5.3)	33 (15)
4708S	470-490	9.3	12.2	N-male	1.5:1	7	2.4 (.22)	100 (161)	74 (120)	17 (5.3)	31 (14)
4904S	490-512	6.2	9.2	N-male	1.5:1	14	1.4 (.13)	100 (161)	74 (120)	9.5 (2.9)	16 (8)

Common Specifications: Power handling - 500 Watts; Element - 6063-T832 3/8 in (.95 cm) aluminum folded dipole; Mast - 6061-T6 1-3/4 in (4.44 cm) aluminum tube; Harness - RG8/RG11; Maximum mast diameter - 2-3/4 in (7.0 cm).

